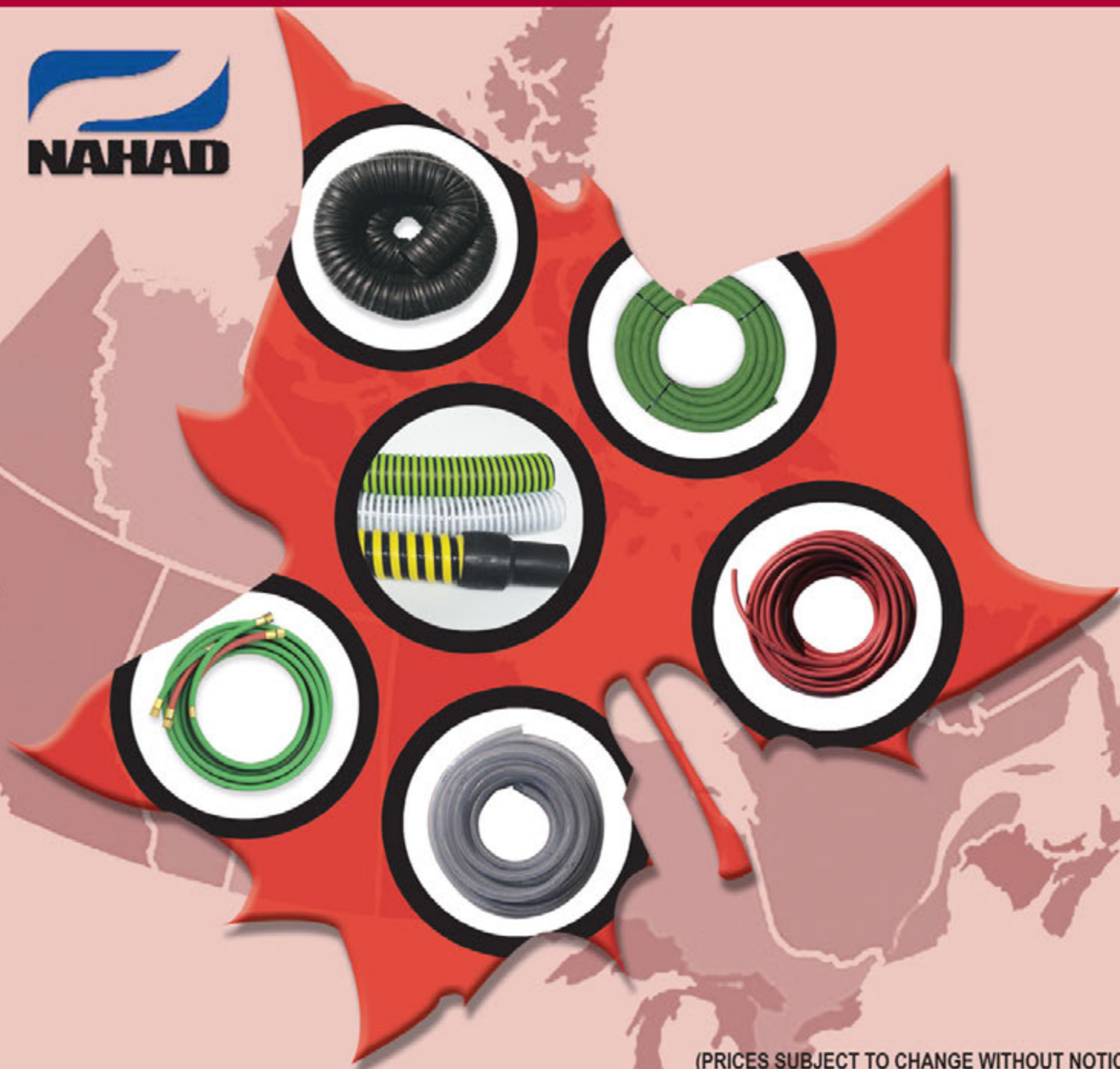


INDUSTRIAL HOSE

Price List

(Effective March 1, 2007)



(PRICES SUBJECT TO CHANGE WITHOUT NOTICE)



NATIONAL HOSE AND EQUIPMENT LTD.

TEL: 416-298-0494 • Fax: 416-298-0626 • EMAIL: nhose@nationalhose.ca • www.nationalhose.ca

CONDITIONS OF SALE

1. All our agreements contingent upon accidents, strike, fires and unavoidable delays, and causes beyond our control.
2. Every effort is made by us to offer equipment and/or material to suit conditions stated by the purchaser but he shall be taken to have satisfied himself that any goods ordered will meet his requirements. We can accept no liability if it should prove otherwise, providing goods supplied comply with the quotation or tender.
3. Everything in our power is done to ensure good material and workmanship but owing to the nature of our products and the greatly varying working conditions, it is not feasible to guarantee a working life.
4. No term proposed by the buyer which is inconsistent with any of the terms set out in this document shall, whether expressly excluded or not have any effect upon the agreement.
5. Under no circumstances, herein contained or not, shall our company be under any liability for consequential or other damages.

CLAIMS ON DAMAGED PRODUCTS

Since our liability ceases when goods are delivered to the transportation company, **all claims on damaged goods received, with apparent or concealed damages, must be made to the transportation company concerned** Should there be any special shipping information required with respect to said shipment, we will be happy to advise.

SALES TAX STATUS

All our prices exclude federal and provincial sales tax. However when applicable, both taxes will be charged to the purchaser unless we have received the necessary certifications or exemptions.

SHIPPING TERMS

F.O.B. our plant unless otherwise agreed to in writing by ourselves.

TERMS OF PAYMENT

Net 30 Days unless otherwise agreed to in writing by ourselves. Payment Methods Accepted: Visa, Mastercard, Debit, Cash, Cheque and Bank with Transfer

NOTE

Before accepting any order we reserve the right to change or cancel any prices and/or condition of sale without previous notice, except when agreed to in writing by ourselves.

WARRANTY

Merchandise is warranted to be free from defect in material or workmanship. Liability under any express or implied warranty is limited to the purchase price of any merchandise proven defective, or at seller's option, to replacement of such merchandise. This warranty is in lieu of all other warranties expressed or implied and all other obligations or liabilities on the part of National Hose.

RETURNS POLICY- R.G.A. Number is a MUST for all returned goods

Cancellation of orders or return of goods cannot be accepted by us without a R.G.A. number or written consent given previously and on terms agreed to in writing by us. Authorized returns are subject to a minimum 20% re-stocking charge and freight must be prepaid, some products are non-returnable.

SALES DISCOUNTS

NATIONAL HOSE

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NATIONAL HOSE

HOSE SERIES & PRODUCT NAME

SERIES	PAGE	PRODUCT NAME	SERIES	PAGE	PRODUCT NAME
17	9	POLYURETHANE SELF-STORE / ASSEMBLIES	PE-01	46	AGRICULTURAL FUEL
32	30	NYLON 12 FLEXIBLE TUBING	PE-03	46	GAS PUMP - 250 / ASSEMBLIES
150CL	39	SERIES 150CL	PE-05	47	FUEL OIL DELIVERY
4MXI	59	POWER CLEAN / ASSEMBLIES	PE-09	47	GAS / OIL #14/19
AG-01	21	FLEXTUFF - 300 EPDM	PE-11	48	PETRODEC
AG-03	25	E.V.A WEED SPRAY HOSE	PE-15	48	CANADDEC
AG-07	25	AG-SPRAY 200	PE-17	49	HOT TAR AND ASPHALT
AG-09	25	AG-SPRAY 600	PE-19	49	KANAFLEX ST 120 LT TANK TRUCK
AG-10	25	AG-SPRAY 800	PE-19S	49	BANDING SLEEVES FOR ST 120 LT
AI-01	9	NYLON SELF-STORE / ASSEMBLIES	PLC	33	"POWER LOCK" BOLT CLAMP
AI-05	8	PRIMEFLEX	PLCK	36	TIGER CLAMP
AI-07	8	SUPREMEFLEX TYPE II / ASSEMBLIES	PT-01	30	POLY TUBING - FOOD GRADE - NATURAL
AI-09	5	GARAGE EXHAUST / ACCESSORIES	PT-03	30	POLY TUBING - INDUSTRIAL GRADE - BLACK
AI-11	10	CLEARFLEX	PU40	31	POLYURETHANE TUBING - INCH SIZE
AI-14	11	THERMFLEX - YELLOW / BLUE / ASSEMBLIES	PUM40	31	POLYURETHANE TUBING - METRIC SIZE
AI-14-R	11	POLYAIR - RED	PW	59	PRESSURE WASH - 3000 / ASSEMBLIES
AI-15-1	12	EXTRAFLEX - 200 / ASSEMBLIES	ST-01	43	HOT WATER WASH-UP
AI-15-2	13	SUPREMEFLEX / ASSEMBLIES	ST-03	43	SUPER HOT WATER WASH-UP
AI-16	10	EQUATOR - NH	ST-06	43	TEXTILE STEAM - 100
AI-17	15	MINEFLEX - 300W	ST-09	44	STEAM KING 250
AI-19	15	JACKHAMMER - 300S	T1	62	SMOOTHFLEX - NOMINAL BORE
AI-23	16	MINEFLEX - 400	UV	34	UREVAC-1
AI-25	16	HI-FLEX - EXTRA PRESSURE	VA-01	32	VACUUM CLEANER HOSE-Z-VAC / ACCESSORIES
AU-01	3	FUEL LINE	VA-03	32	VACUUM CLEANER HOSE-G-VAC/ ACCESSORIES
AU-03	3	AUTO HEATER	VA-09	34	SUPER SUCKER
AU-05	4	PUSH - ON	VA-10	34	INDUSTRIAL VAC
AU-07	3	PAINT SPRAY FLUID	VA-11	33	INDUSTRIAL VAC-180 AR
AU-08	4	NYLON PAINT SPRAY	VA-12	33	INDUSTRIAL VAC-180 HR
BR/ST	62	SMOOTHFLEX FITTINGS	VA-13	40	180 BL
BXI	56	HYDRAULIC HOSE SAE 100R2 TYPE AT	VA-15	35	180 MV SUCTION
CEI	57	HYDRAULIC HOSE SAE 100R12	VA-UF1	36	UREFLEX-1
CH-01	50	ALLCHEM	VA-UF2	36	UREFLEX-2
FB-01	26	CLEAR TUBING	WA-01	17	GREEN DIAMOND / ASSEMBLIES
FB-02	29	MILK HOSE - 212 MK	WA-03	17	PREMIUM WATER DISCHARGE / ASSEMBLIES
FB-03	28	FOOD HANDLING - 210HFG	WA-05	18	MASTER PUMP
FB-04	28	FOOD HANDLING - 200 SFG	WA-06	20	DURAPUMP / ASSEMBLIES
FB-04-W	29	FOOD HANDLING - ST200 SFG	WA-09	19	POLYPUMP "BLUE/GREY"
FB-05	29	WHITE FOOD HANDLING	WA-11	19	POLYPUMP "GREEN"
FB-06	27	POLYWIRE	WA-13	19	POLYPUMP "BROWN 150"
FB-07	27	POLYSPRING	WA-16	18	SINGLE JACK MILL DISCHARGE
FC-01	45	STANDARD FLEXIBLE CONNECTORS	WA-17	21	POLYTUFF
FB-03	45	STANDARD FLEXIBLE CONNECTORS	WA-19	23	HI-VAC (TIGER TAIL) / CUFFS
FD	38	FLEXIBLE DUCTING	WA-20	23	KANALINE SR
FD-13	40	SPIRATUBE TD-S	WA-23	22	MASTERTUFF - LOW TEMP
FD-15	40	SPIRATUBE TD-HS	WA-25	22	MASTERTUFF - GAFLO
FH	42	SATURN - FIRE HOSE / ASSEMBLIES	WE-01/02	55	TWIN GAS WELDING / ASSEMBLIES
GGP/PGP	51	KEM-FLEX TYPE GGP / PGP	WE-05	55	SINGLE LINE WELDING
H069	56	HYDRAULIC HOSE SAE 100R5	XST02	42	PAPERMILL WASHDOWN W/ BUILT IN NOZZLE
L	61	RETRACTABLE HOSE REELS	XWB	58	WATERBLAST - 10,000 PSI ASSEMBLIES
MH-01	53	HI-LIFE SANDBLAST	Y1	4	AIR BRAKE
MH-01-T	53	SANDBLAST-WHIPET		60	POWER WASH GUNS, NOZZLE JET & COUPLING
MH-03	53	GUNITE			
MH-05	35	BULKMASTER - SOFT WALL			
MXI	56	HYDRAULIC HOSE SAE 100R1 TYPE AT			
MXS/MXH	7	MARINE EXHAUST (SOFT & HARD WALL)			
NFDC	39	DUCTFLEX - 660YD			
NHI	57	HYDRAULIC HOSE SAE 100R13			



**WE WASH AWAY
THE COMPETITION**

STREAMLINE
WASHDOWN EQUIPMENT

**NOBODY DOES IT BETTER...
QUALITY / PRICE / DELIVERY**

S-151 SERIES SPRAY NOZZLES



**S-151
BRONZE**

**S-151AL
ANODIZED
ALUMINUM**

**S-151SS
ALL STAINLESS
STEEL**

**HOT WATER MIXERS
HOSE STATIONS
& ASSEMBLIES**

MIXMASTER 3000



**IF YOU'RE BUYING
YOUR WASHDOWN
EQUIPMENT FROM
SOMEONE ELSE,
YOU'RE PAYING
TOO MUCH!**

**STREAMLINE
OFFERS:**

- HIGH QUALITY
- BETTER PRICING-MUCH BETTER
- LARGE INVENTORIES
- NORMAL DELIVERY
2 TO 3 DAYS AFTER
RECEIPT OF ORDER
- NO EXPEDITING CHARGES
FOR SAME DAY SHIPMENT
- RESPONSIVE, FRIENDLY
SERVICE

**SPECIFICATIONS AND PRICES
(SEE FITTINGS CATALOGUE)**

- Page 77 -



NATIONAL HOSE

172 MILNER AVENUE, SCARBOROUGH,
ONTARIO M1S 3R3 CANADA
TEL: (416) 298-0494 FAX: (416) 298-0626
E-MAIL: nhose@nationalhose.ca

CLEARFLEX

SERIES: AI-11
FOOD GRADE MULTI-PURPOSE HOSE

A Crystal clear 'see-through' reinforced hose with rubber like flexibility, abrasion resistant, and lightweight. Excellent ozone and ultra-violet resistance. Clearflex is non-conductive, fire resistant and self extinguishing. Non-toxic food grade.

PART NUMBER	SIZE I.D.	SIZE O.D.	P.S.I. @ 68°F	STANDARD PACKAGE	WEIGHT LBS / 100'	LIST PRICE \$ PER FT.
AI-11-002	1/8	0.315	350	500 ft	3.5	P.O.A.
AI-11-003	3/16	0.375	250	300 ft	4.5	0.45
AI-11-004	1/4	0.460	250	300 ft	6.7	0.49
AI-11-005	5/16	0.525	250	300 ft	7.5	0.59
AI-11-006	3/8	0.600	200	300 ft	9.0	0.68
AI-11-008	1/2	0.750	200	300 ft	14.5	0.94
AI-11-010	5/8	0.875	200	300 ft	16.5	1.20
AI-11-012	3/4	1.030	150	300 ft	23.0	1.50
AI-11-016	1	1.312	125	200 ft	32.0	2.25
AI-11-020	1-1/4	1.687	100	100 ft	58.0	4.10
AI-11-024	1-1/2	2.000	100	100 ft	69.0	4.75
AI-11-032	2	2.500	75	100 ft	100.0	6.85

Cut Lengths: Add 5%

TEMP. RANGE: -5°C to + 65°C (+ 25°F to + 150°F)

EQUATOR - NH

SERIES: AI-16
MULTI-PURPOSE HOSE

TUBE: Smooth Black PVC Blend. Non-conductive.

REINFORCEMENT: High-tensile synthetic yarn.

COVER: Smooth Red PVC Blend.

TEMP. RANGE: -28°C to +80°C (+20°F to +175°F)

APPLICATIONS: Air, water, light chemical, insecticides and weed spray.

PART NUMBER	SIZE I.D.	BRAID RATING	SIZE O.D.	W.P. P.S.I.	STD. PKG.	WEIGHT LBS / 100'	LIST PRICE \$ PER FT.
AI-16-004	1/4	2	0.500	300	600 ft	8.0	0.70
AI-16-005	5/16	2	0.593	300	600 ft	10.0	0.75
AI-16-006	3/8	2	0.625	300	600 ft	11.0	0.85
AI-16-008	1/2	2	0.760	300	600 ft	14.0	1.10
AI-16-012	3/4	2	1.030	300	500 ft	21.8	1.65
AI-16-016	1	2	1.306	250	200 ft	34.0	2.10
AI-16-020	1-1/4	2	1.682	200	100 ft	57.0	P.O.A.
AI-16-024	1-1/2	2	1.932	200	100 ft	73.0	P.O.A.

FUEL LINE

SERIES: AU-01

COVER: NBR / EPDM, Resistant to Oil, Grease & Ozone
REINFORCEMENT: Spiral Synthetic Cord
TUBE: NBR
APPLICATIONS: Conveying fuel in automobiles, etc.

SAE 30 R7 Type B

-NOT DESIGNED FOR MARINE ALCOHOL BLENDED FUELS-

PART NUMBER	SIZE I.D.	SIZE O.D.	W.P. P.S.I.	WEIGHT LBS / 100	LIST PRICE \$ PER FT.
AU-01-003	3/16	7/16	75	8.0	1.50
AU-01-004	1/4	1/2	50	10.0	1.45
AU-01-005	5/16	9/16	50	11.0	1.52
AU-01-006	3/8	5/8	50	14.0	1.89

STANDARD PACKAGE: Multiples of 25', or 700' reel.

AUTO HEATER HOSE

SERIES: AU-03
 PREMIUM QUALITY

Meets or exceeds SAE J20R specifications.

COVER / TUBE: EPDM. Excellent resistance to cracking, heat and ozone exposure, and anti-freeze solutions.
TEMP. RANGE: 80 P.S.I. @ 100° C / 182° F

PART NUMBER	SIZE I.D.	SIZE O.D.	BRAID	STANDARD PACKAGE	LIST PRICE \$ PER FT.
AU-03-008	1/2	25/32	1	500'	1.80
AU-03-010	5/8	29/32	1	500'	2.00
AU-03-012	3/4	1 1/8	1	450'	2.30
AU-03-016	1	1 3/8	1	400'	3.30

CUT LENGTHS: Add 5%

PAINT SPRAY FLUID

SERIES: AU-07

Type 414:

Special blend of elastomeric core and cover compounded, with unique acculined solvent resistant liner.

TEMP. RANGE: - 40° F to + 140° F

PART NUMBER	SIZE I.D.	SIZE O.D.	W.P. P.S.I.	STD PKG.	WEIGHT LBS / 100	LIST PRICE \$ PER FT.
AU-07-004	1/4	1/2	175	500'	7.2	1.68
AU-07-006	3/8	11/16	175	500'	11.5	2.35
AU-07-008	1/2	7/8	175	500'	18.5	4.05
AU-07-012	3/4	1 3/16	150	300'	28.0	7.10

CUT LENGTHS: Add 5%

3/8" Female Swivel re-usable coupling # 72 - 1328 (see page 8)

AIR BRAKE HOSE

This Air Hose meets or exceeds Department of Transportation FMVSS 106 and SAE J-1402C requirements and is approved by the American Association of Motor Vehicles Administration (AAMVA). The hose has cold weather flexibility and is virtually kink-proof.

COVER / TUBE: EPDM. Polychloroprene - resists oil, grease, abrasion and ozone

REINFORCEMENT: Multispiral

PART NUMBER	SIZE I.D.	SIZE O.D.	W.P. P.S.I.	STD. PACK	BURST PRESSURE	WEIGHT LBS / 100'	LIST PRICE \$ PER FT.
Y106	3/8	3/4	250	300'	900	21	2.34
Y108	1/2	7/8	250	200'	900	26	2.72

* Air Brake Hose Assemblies Made in House

PUSH-ON HOSE

**SERIES: AU-05-
RUBBER NON-CONDUCTIVE**

COVER: Black - Neoprene

(Grey, Red, Green & Blue also available)

TUBE: Black Nitrile

TEMP. RANGE: - 40° F to 212° F

APPLICATION: For conveying most Petroleum base solutions, hydraulic oils, mineral oils, antifreeze, agricultural and other dilute chemical solutions. Excellent for air service where oil content is high.

PART NUMBER	SIZE I.D.	SIZE O.D.	W.P. P.S.I.	WEIGHT LBS / 100	STANDARD PACKAGE	LIST PRICE \$ PER FT.
AU-05-004	*1/4	0.50	300	9	500' Reel	2.20
AU-05-005	5/16	0.56	300	10	500' Reel	2.70
AU-05-006	*3/8	0.63	300	13	500' Reel	2.80
AU-05-008	*1/2	0.75	300	16	500' Reel	3.25
AU-05-010	5/8	0.91	250	23	500' Reel	4.00
AU-05-012	3/4	1.03	250	25	500' Reel	5.40

*1/4", 3/8", 1/2", - MSHA Approved

Colors other than black: 250 PSI Rating - P.O.A.

SPECIAL NYLON 11 PAINT

SERIES: AU-08

STANDARD COLOUR: Natural

TEMP. RANGE: -10°F to 160°F

PART NUMBER	SIZE I.D.	SIZE O.D.	W.P. P.S.I.	WEIGHT LBS / 100	STANDARD PACKAGE	LIST PRICE \$ PER FT.
AU-08-004	1/4	0.35	200	2.10	500'	1.80

Cut Lengths: Add 5%

GARAGE EXHAUST HOSE

Series: AI-09

Exhaust Hose is supplied to you in a series of sizes to service any garage application requirement for automobile and diesel repair. All sizes of Exhaust Hose are manufactured in standard 10 foot lengths. The simple-to-use Press-Loc coupling along with a full line of accessories permits any length of super-strength hose

PART NUMBER	SIZE I.D. X LENGTH	HEAT RESISTANCE	LIST PRICE \$ PER 10' LENGTH
AI-09-032	2 x 11'	250 - 275 F	175.00
AI-09-040	2 1/2 x 11'	275 - 325 F	199.00
AI-09-048	3 x 11'	325 - 375 F	239.00
AI-09-064	4 x 11'	For use with adaptor on diesel Stacks w/ motor at idling speed	372.00
AI-09-080	5 x 11'		313.00

assemblies to be made to fit any ventilating system. Exhaust deadly fumes safely, quickly and economically.

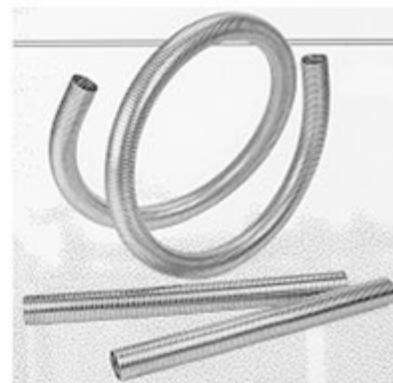
GARAGE EXHAUST ACCESSORIES

PART NUMBER	DESCRIPTION	LIST PRICE \$ EA.
AI-09-EA	Diesel Elbow Adaptor	105.00
AI-09-UA	Universal Adaptor	69.00
AI-09-YA	Y Adaptor	59.00
AI-09-DS	Diesel Stack Adaptor (5" Rubber)	147.00
AI-09-TA	Tailpipe Adaptor	89.00
AI-09-DT	Dual Tailpipe Adaptor	74.00

**Diesel Elbow Adaptor****Universal Adaptor****Dual Tailpipe Adaptor****Y Adaptor****Diesel Stack Adaptor****Tailpipe Adaptor**

FLEXFAB - FLEXIBLE METAL HOSE**APPLICATIONS:** Truck Exhaust System

Connected between the manifold and rigid pipe, serves to protect the exhaust system from vibration damage, harmful effects of water, heat, salt, corrosive exhaust emission, shock, engine torque and other road hazards.

**MATERIAL TYPE:** Galvanized Steel: GA. 0.018"**MATERIAL TYPE:** Stainless Steel: GA. 0.018"**WORKING PRESSURE:** 5 PSI**WORKING PRESSURE:** 5 PSI**TEMPERATURE:** 400°F**TEMPERATURE:** 1,800°F

PART NUMBER	SIZE (INS)	WEIGHT LBS. / FT	LIST PRICE \$/FT
10206	1 1/2	0.88	5.95
10207	2	1.04	8.25
10211	2 1/2	1.30	9.95
10212	3	1.55	11.00
10214	3 1/2	1.80	12.25
10215	4	2.06	12.95
10217	4 1/2	2.32	14.60
10218	5	2.57	15.60
10220	6	3.08	18.50

PART NUMBER	SIZE (INS)	WEIGHT LBS. / FT	LIST PRICE \$/FT
12140	2	0.45	16.75
12141	2 1/2	0.56	20.95
12143	3	0.67	24.95
10493	3 1/2	0.78	28.50
10494	4	0.89	32.00
12144	4 1/2	1.00	35.75
10496	5	1.08	38.95
12145	6	1.33	46.00

STANDARD LENGTHS: 10' and 25'*** OTHER GAUGES AVAILABLE *****BELL SIGNAL TUBING**

3/8" I.D. X 3/32" WALL - 50 DURO. - EPDM

PART NUMBER	LIST \$ PER FT.
SIGNAL-06	1.05

MARINE EXHAUST HOSE

All Hoses made to USCG Specifications. Minimum burst on all sizes is 180 PSI. Recommended for working temperatures of up to 212°F. Used for wet pleasure craft marine engine applications. Specifically blended tube for long life under severe conditions.

TUBE: Black

COVER: Black with Blue Stripe

SOFT WALL - NO WIRE

PART NO.	SIZE INS.	O.D. INS.	WEIGHT LBS/FT.	LIST \$ / FT.
MXS-01	7/8	1-1/4	0.40	6.95
MXS-02	1	1-3/8	0.45	6.99
MXS-03	1-1/8	1-1/2	0.49	7.60
MXS-04	1-1/4	1-5/8	0.54	8.50
MXS-05	1-5/16	1-11/16	0.56	11.05
MXS-06	1-3/8	1-3/4	0.59	9.10
MXS-07	1-1/2	1-7/8	0.60	8.90
MXS-08	1-5/8	2	0.68	9.25
MXS-09	1-3/4	2-5/32	0.69	10.50
MXS-10	1-7/8	2-5/16	0.84	10.95
MXS-11	2	2-1/2	0.98	11.90
MXS-12	2-1/8	2-5/8	1.04	13.25
MXS-13	2-1/4	2-3/4	1.08	14.20
MXS-14	2-3/8	2-29/32	1.27	16.50
MXS-15	2-1/2	3-1/32	1.33	16.98
MXS-16	2-5/8	3-1/8	1.39	17.98
MXS-17	2-7/8	3-3/8	1.51	19.20
MXS-18	3	3-9/16	1.57	19.40
MXS-19	3-1/8	3-11/16	1.64	20.00
MXS-20	3-1/2	4-1/16	1.99	21.45
MXS-21	4	4-9/16	2.25	29.20
MXS-22	4-1/8	4-3/4	2.32	39.90
MXS-23	4-1/2	5-3/32	2.51	33.95
MXS-24	5	5-19/32	3.22	42.98
MXS-25	5-1/2	6-1/8	3.52	46.15
MXS-26	6	6-11/16	4.12	52.20

HARD WALL - WITH WIRE

PART NO.	SIZE INS.	O.D. INS.	WEIGHT LBS/FT.	LIST \$ / FT.
MXH-01	1/2	27/32	0.32	8.75
MXH-02	5/8	1-1/32	0.36	9.75
MXH-03	3/4	1-11/16	0.41	9.75
MXH-04	7/8	1-1/4	0.46	10.25
MXH-05	1	1-3/8	0.53	10.45
MXH-06	1-1/4	1-11/16	0.64	11.40
MXH-07	1-1/2	1-7/8	0.73	12.20
MXH-08	1-5/8	2	0.79	12.75
MXH-09	1-3/4	2-5/32	0.84	13.80
MXH-10	1-7/8	2-1/4	0.90	14.25
MXH-11	2	2-3/8	0.95	15.25
MXH-12	2-1/8	2-1/2	1.01	15.65
MXH-13	2-1/4	2-11/16	1.06	16.45
MXH-14	2-3/8	2-13/16	1.24	17.95
MXH-15	2-1/2	2-31/32	1.49	19.65
MXH-16	2-5/8	3-1/16	1.55	19.80
MXH-17	2-7/8	3-11/32	1.69	22.35
MXH-18	3	3-1/2	1.76	23.90
MXH-19	3-1/8	3-5/8	1.82	23.98
MXH-20	3-1/2	4-1/8	2.17	27.60
MXH-21	4	4-17/32	2.77	31.55
MXH-22	4-1/8	4-11/16	2.85	37.80
MXH-23	4-1/2	5-1/32	3.09	34.60
MXH-24	5	5-9/16	3.66	59.10
MXH-25	5-1/2	6-1/16	4.37	62.80
MXH-26	6	6-7/16	4.74	67.50

PRIMEFLEX

SERIES: AI-05
PREMIUM NON-CONDUCTIVE MULTI-PURPOSE

COVER: Red Smooth Neoprene - oil, grease, weather and abrasion resistant.
REINFORCEMENT: Spiralled or braided synthetic cords.
TUBE: Black Nitrile - oil resistant. Non conductive.
APPLICATIONS: A premium quality long length hose for oil based sprays, gasoline, lubricating oil, air, hot water and some chemicals. **(Equivalent to Gates 19B and Goodvear ORTAC).**

PART NUMBER	SIZE I.D.	BRAID RATING	O.D. INS.	WORKING PRESSURE	WEIGHT LBS./100'	LIST PRICE \$ PER FT.
AI-05-004-1	1/4	1	0.50	250	11	P.O.A.
AI-05-004-2	1/4	2	0.59	300	16	2.35
AI-05-005-2	5/16	2	0.66	350	16	P.O.A.
AI-05-006-1	3/8	1	0.69	250	18	P.O.A.
AI-05-006-2	3/8	2	0.72	300	21	2.50
AI-05-008-1	1/2	1	0.81	250	23	P.O.A.
AI-05-008-2	1/2	2	0.88	300	29	3.50
AI-05-010-2	5/8	2	1.00	300	30	P.O.A.
AI-05-012-2	3/4	2	1.19	300	43	5.50
AI-05-016-2	1	2	1.44	300	61	7.50
AI-05-020-2	1-1/4	2	1.78	250	75	11.60
AI-05-024-2	1-1/2	2	2.03	250	88	14.25

STANDARD PACKAGE: 1/4" to 3/4" - 500' - 700' Reel

CUT LENGTHS: Add 5%

SUPREMEFLEX-TYPE II

SERIES: AI-07

Premium quality hose - recommended for Autobody Shop Air Supply, etc.

COVER: Corrugated - Oil and abrasion resistant synthetic rubber. Supremeflex is a premium rubber hose, made for rugged working conditions, with excellent flexibility; oil abrasion and kink resistant.
REINFORCEMENT: High Tensile synthetic fibre.
TUBE: Oil resistant synthetic. (Equivalent to DeVilbiss # H1901, Binks # 71 - 131)

PART NUMBER	SIZE I.D.	SIZE O.D.	BRAID	W.P. P.S.I.	WEIGHT LBS / 100'	STD. PKG.	LIST PRICE \$ PER FT.
AI-07-005	5/16	5/8	1	250	13	500' Reel	1.65
AI-07-006	3/8	23/32	1	250	17	700' Reel	1.66

Cut Lengths: Add 5%

SUPREMEFLEX-TYPE II

ASSEMBLIES C/W 1/4" MALE CRIMPED E/E

REUSABLE COUPLINGS

PART NUMBER	SIZE LENGTH I.D.	LIST PRICE \$ PER ASS'Y
XAIWE05R-C44	5/16" x 25'	42.50
XAIWE05R-D44	5/16" x 30'	49.95
XAIWE05R-G44	5/16" x 50'	83.00

PART NUMBER	TYPE	SIZE HOSE x THREAD	LIST PRICE \$ EA.
72-1303	Female Swivel	1/4" x 1/4"	9.00
72-1306	Female Swivel	1/4" x 3/8"	8.80
72-1317	Female Swivel	5/16" x 1/4"	9.25
72-1325	Female Swivel	3/8" x 1/4"	11.50
72-1328	Female Swivel	3/8" x 3/8"	11.50
72-1333	Female Swivel	1/2" x 3/8"	10.00
72-1478	Male	5/16" x 1/4"	10.10

NYLON SELF-STORE

SERIES: AI-01
SELF RETRACTING

Precision manufactured from specially formulated Nylon for longer life.
Extends over 20 times its stored length. Working pressures of up to 200 P.S.I.
Swivel fittings at each end prevent twisting of the hose and allow for free tool action.

**BULK HOSE**

PART NUMBER	SIZE I.D.	STD LENGTH	LIST PRICE \$ PER FT.
AI-01-004	1/4"	100'	0.80
AI-01-006	3/8"	100'	1.52
AI-01-008	1/2"	100'	3.25
AI-01-012	3/4"	100'	P.O.A.

FITTINGS

PART NUMBER	SIZE I.D.	STD LENGTH	LIST PRICE \$ PER FT.
4403-6084T	1/4"	Male Swivel	7.80
4403-6126T	3/8"	Male Swivel	14.25
4403-6168T	1/2"	Male Swivel	P.O.A.
4403-6168R	3/4"	Male Rigid	P.O.A.

ASSEMBLIES C/W MALE SWIVEL & SPRING GUARD E/E

PART NUMBER	SIZE LENGTH I.D.	LIST PRICE \$ PER ASS'Y
XAI0104-A44S	1/4" x 12-1/2'	25.00
XAI0104-C44S	1/4" x 25'	35.00
XAI0104-G44S	1/4" x 50'	53.50
XAI0104-H44S	1/4" x 75'	P.O.A.
XAI0104-J44S	1/4" 100'	P.O.A.

PART NUMBER	SIZE LENGTH I.D.	LIST PRICE \$ PER ASS'Y
XAI0106-A66S	3/8" x 12-1/2'	P.O.A.
XAI0106-C66S	3/8" x 25'	69.00
XAI0106-G66S	3/8" x 50'	107.00
XAI0106-H66S	3/8" x 75'	P.O.A.
XAI0106-J66S	3/8" 100'	P.O.A.

POLYURETHANE SELF-STORE

The Polyurethane compound is soft and pliable. Virtually kink-proof with excellent abrasion resistance. Pigtail straight ends (4"/20") result in remarkable ease of handling and retractability. 'It's Tomorrow's Hose Today'.



TEMP. RANGE: -40°C to 82°C (0°F to 180°F)
WORKING PRESSURE: 110 P.S.I.
STANDARD COLOUR: Blue

ASSEMBLIES C/W MALE SWIVEL E/E

SERIES: 17-

PART NUMBER	SIZE LENGTH I.D.	LIST PRICE \$ PER ASS'Y
17-615	1/4" x 15'	34.75
17-620	1/4" x 20'	42.50
17-625	1/4" x 25'	50.25
17-630	1/4" x 30'	58.00
17-650	1/4" x 50'	89.00

c/w 1/4" Male NPT Swivel Each End

PART NUMBER	SIZE LENGTH I.D.	LIST PRICE \$ PER ASS'Y
17-715	3/8" x 15'	67.25
17-720	3/8" x 20'	79.00
17-725	3/8" x 25'	92.30
17-730	3/8" x 30'	105.50
17-750	3/8" x 50'	158.00

c/w 3/8" Male NPT Swivel Each End

THERMFLEX

SERIES: AI-14

A unique development in hose technology.

Combining all the desired features -

- Excellent Flexibility at temperatures to -30°F
- Excellent Abrasion Resistance, Lightweight
- Smooth Rubber - like cover is non-marking and pinpricked
- Good Resistance to Oils, Detergents and Mild Chemicals
- Colour Coded for easy identification

RECOMMENDED APPLICATIONS:

- Pneumatic Tools
- Compressed Air Supply Lines
- Service Station Air Hose
- Roof Stapling Guns
- Air Drop Lines
- Transfer of Air, Water and Mild Chemicals

TEMPERATURE RANGE: -20°F to 150°F

PART NUMBER	SIZE I.D.	BRAID RATING	O.D. (INS.)	W.P. PSI @ 70°F	WEIGHT LBS/100	COLOUR	STD. PKG.	LIST PRICE \$ PER FT.
AI-14-004Y	1/4	2	0.500	250	8.0	Yellow	500' Reel	0.75
AI-14-006B	3/8	2	0.625	250	11.0	Blue	500' Reel	0.95

REEL QUANTITY: 500' Continuous Length (no wastage).

THERMFLEX AIR HOSE ASSEMBLIES

c/w Brass Male NPT Nipple Crimped on E/E

PART NUMBER	SIZE I.D.	LENGTH FT.	MALE NPT E/E	LIST PRICE
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YELLOW

XAI14-04C4M	1/4"	25'	1/4"	22.30
XAI14-04G4M	1/4"	50'	1/4"	42.20
XAI14-04J4M	1/4"	100'	1/4"	81.85

BLUE

XAI14-06C4M	3/8"	25'	1/4"	28.95
XAI14-06E4M	3/8"	35'	1/4"	37.29
XAI14-06G4M	3/8"	50'	1/4"	53.80
XAI14-06J4M	3/8"	100'	1/4"	103.60
XAI14-06C6M	3/8"	25'	3/8"	30.25
XAI14-06G6M	3/8"	50'	3/8"	54.95
XAI14-06J6M	3/8"	100'	3/8"	104.75

POLYAIR - RED

PART NUMBER	SIZE I.D.	BRAID RATING	O.D. (INS.)	W.P. PSI @ 70°F	WEIGHT LBS/100	COLOUR	STD. PKG.	LIST PRICE \$ PER FT.
AI-14-004R	1/4	2	0.500	300	8.0	RED	500' Reel	0.78
AI-14-005R	5/16	2	0.625	300	13.0	RED	500' Reel	0.94
AI-14-006R	3/8	2	0.625	300	11.0	RED	500' Reel	0.99
AI-14-008R	1/2	2	0.813	300	18.0	RED	500' Reel	1.29
AI-14-012R	3/4	2	1.125	300	30.0	RED	500' Reel	2.84

REEL QUANTITY: 500' Continuous Length (no wastage).

EXTRAFLEX - 200**SERIES: AI-15**

RED MULTI-PURPOSE RUBBER AIR HOSE

RECOMMENDED FOR: Air applications requiring maximum flexibility and outstanding resistance to heat, water and ozone. Plus good resistance to vegetable oils.

TUBE: Type P (EPDM). Black. Standards: RMA (Class C). Medium oil resistance.

REINFORCEMENT: Synthetic, high tensile textile cord.

COVER: Type P (EPDM). Red. All sizes through 1/2" are perforated.

TEMP. RANGE: -18°C to 93°C (0°F to 200°F), lower limit -29°C (-20°F).

PART NUMBER	SIZE (INS.)	O.D. (INS.)	WORKING PRESSURE	WEIGHT LBS/100	STD. PKG. REEL	LIST PRICE \$ PER FT.
AI-15-004-1	1/4	0.47	200	8	400' / 500'	0.87
AI-15-006-1	3/8	0.66	200	14	400' / 660'	1.05
AI-15-008-1	1/2	0.81	150	20	250' / 660'	1.47
AI-15-012-1	3/4	1.08	150	29	200' / 660'	2.44

EXTRAFLEX - 200 ASSEMBLIES

c/w Brass male NPT Nipple Crimped On E/E

PART NUMBER	SIZE I.D.	LENGTH FT.	MALE NPT E/E	LIST PRICE PER ASS'Y
XAI15041-C44	1/4"	25'	1/4"	27.12
XAI15041-G44	1/4"	50'	1/4"	49.50
XAI15061-C44	3/8"	25'	1/4"	33.28
XAI15061-G44	3/8"	50'	1/4"	61.55
XAI15061-C66	3/8"	25'	3/8"	34.60
XAI15061-G66	3/8"	50'	3/8"	61.60
XAI15081-C88	1/2"	25'	1/2"	P.O.A.
XAI15081-G88	1/2"	50'	1/2"	P.O.A.

* Longer Lengths Hose Assemblies Available on Request

SUPREMEFLEX

NH SUPREMEFLEX 1/2" WP 250 PSI

SERIES: AI-15**RUBBER GENERAL PURPOSE HOSE**

Designed for general air and water service, with good resistance to many chemical solutions, animal fats and vegetable oils. Excellent resistance to heat and weathering.

COVER: Smooth red abrasion resistant E.P.D.M.
 REINFORCEMENT: Spiral synthetic cord.
 TUBE: Black seamless E.P.D.M. - oil mist resistant.

PART NUMBER	SIZE (INS.)	BRAID RATING	O.D. (INS.)	WORKING P.S.I.	WEIGHT LBS/100	STD. PKG.	LIST PRICE \$ PER FT.
AI-15-004-2	1/4	2	0.59	250	15	600' Reel	0.98
AI-15-005-2	5/16	2	0.63	250	15	600' Reel	1.19
AI-15-006-2	3/8	2	0.72	250	19	600' Reel	1.19
AI-15-008-2	1/2	2	0.88	250	25	600' Reel	1.55
AI-15-010-2	5/8	2	1.00	250	31	600' Reel	2.50
AI-15-012-2	3/4	2	1.15	250	40	600' Reel	2.53
AI-15-016-2	1	2	1.50	200	48	600' Reel	3.28
AI-15-020-2	1 - 1/4	2	1.75	150	67	100' Coil	6.67
AI-15-024-2	1 - 1/2	2	2.00	150	78	100' Coil	7.94
AI-15-032-2	2	2	2.50	150	124	100' Coil	10.98

Reel Quantity: 250' to 700' - Depending on Size

SUPREMEFLEX HOSE ASSEMBLIES

c/w Brass Male NPT Nipple Crimped on E/E

PART NUMBER	SIZE I.D.	LENGTH FT.	MALE NPT E/E	LIST PRICE PER ASS'Y
XAI15042-C44	1/4"	25'	1/4"	29.44
XAI15042-G44	1/4"	50'	1/4"	53.59
XAI15042-J44	1/4"	100'	1/4"	102.29
XAI15051-C44	5/16"	25'	1/4"	34.96
XAI15051-G44	5/16"	50'	1/4"	65.90
XAI15051-J44	5/16"	100'	1/4"	127.65
XAI15062-C44	3/8"	25'	1/4"	34.96
XAI15062-G44	3/8"	50'	1/4"	63.83
XAI15062-J44	3/8"	100'	1/4"	123.05
XAI15062-C66	3/8"	25'	3/8"	34.96
XAI15062-G66	3/8"	50'	3/8"	64.40
XAI15062-J66	3/8"	100'	3/8"	124.20
XAI15082-C88	1/2"	25'	1/2"	46.86
XAI15082-G88	1/2"	50'	1/2"	87.40
XAI15082-J88	1/2"	100'	1/2"	167.90

TUNDRA-AIR™ LOW TEMPERATURE Air & Water Hose and Assemblies



A NEW AND UNIQUE LOW TEMPERATURE THERMOPLASTIC AIR HOSE

- Temp Range: -40°F to 150°F
- 300 PSI
- Extreme Flexibility - Easy to handle
- Yellow Cover (also available with Red Cover)
- Light Weight
- Excellent Abrasion Resistance
- Non-Marking pin-pricked cover

PART NUMBER	SIZE		WORKING PSI		STANDARD PACKAGE REEL	WEIGHT IBS/100'	LIST PRICE \$ / FT
	1.D.	O.D.	@ 70°F	@ 122°F			
AI-13-004Y	1/4"	.500 "	300	160	500'	8	0.89
AI-13-006Y	3/8"	.625 "	300	160	500'	10	1.15
AI-13-008Y	1/2"	.781 "	300	160	500'	15	1.45

FITTED ASSEMBLIES

(SHRINK WRAPPED AVAILABLE ON REQUEST)

PART NUMBER	DESCRIPTION	LIST PRICE \$ / ASSY
XAI13-04C4Y	1/4" X 25' c/w 1/4" Male NPT e/e	33.50
XAI13-04G4Y	1/4" X 50' c/w 1/4" Male NPT e/e	53.00
XAI13-04J4Y	1/4" X 100' c/w 1/4" Male NPT e/e	98.50
XAI13-06C4Y	3/8" X 25' c/w 1/4" Male NPT e/e	38.55
XAI13-06G4Y	3/8" X 50' c/w 1/4" Male NPT e/e	63.80
XAI13-06J4Y	3/8" X 100' c/w 1/4" Male NPT e/e	124.85

JACKHAMMER-300 S

(SMOOTH COVER)

NH JACKHAMMER 3/4" WP 300 PSI -

SERIES: AI-19
JACKHAMMER HOSE

Standard Air Drill Hose, designed for rugged job site conditions. A good performer in Construction and Rental applications.

COVER: SBR. Yellow smooth finish.
REINFORCEMENT: Spiral synthetic cord.
TUBE: SYNTHETIC - oil mist resistance.

PART NUMBER	SIZE I.D.	O.D.	WORKING PSI	WEIGHT LBS/100	LIST PRICE \$ PER FT.
AI-19-008	1/2	0.88	300	27	P.O.A.
* AI-19-012	3/4	1.18	300	43	2.36
* AI-19-012G	3/4	1.18	300	43	2.36

STANDARD PACKAGE:

*AI-19-012- 300' Coils
 *AI-19-012G - 50' Coils

MINEFLEX-300 W

(WRAPPED COVER)

NH MINEFLEX 3/4" WP 300 PSI -

SERIES: AI-17
AIR DRILL HOSE

Premium quality air drill hose designed to withstand vigorous conditions prevalent on job site.

COVER: Yellow abrasion resistant rubber. Wrapped finish.
REINFORCEMENT: Multiple layers of spiralled synthetic yarn.
TUBE: Synthetic oil mist resistant compound.

PART NUMBER	SIZE I.D.	O.D.	WORKING PSI	WEIGHT LBS/100	LIST PRICE \$ PER FT
AI-17-008	1/2	0.95	300	31	2.52
AI-17-012	3/4	1.20	300	38	2.95
AI-17-016	1	1.50	300	55	4.10
AI-17-020	1 1/4	1.80	300	72	5.95
AI-17-024	1 1/2	2.05	300	84	6.40
AI-17-032	2	2.52	250	123	8.50
AI-17-040	2 1/2	3.13	250	155	15.50
AI-17-048	3	3.68	250	237	17.30
AI-17-064	4	4.68	250	270	23.50

STANDARD PACKAGE: 100' Coils

MINEFLEX- 400**SERIES: AI-23**
HEAVY DUTY

Mandrel built, heavy duty hose, expressly designed for underground mining and rugged construction service. Highest materials ensure maximum service life. Very flexible with yellow wrapped cover, and black or blue stripe.

COVER: Yellow abrasion resistant rubber. Wrapped finish.

REINFORCEMENT: Multiple layers of spiralled synthetic yarn.

TUBE: Synthetic oil mist resistant compound.

PART NUMBER	SIZE I.D.	O.D.	WORKING PSI	WEIGHT LBS/100	LIST PRICE \$ PER FT
AI-23-008	1/2	0.95	400	31	2.95
AI-23-012	3/4	1.25	400	41	3.60
AI-23-016	1	1.50	400	61	4.20
AI-23-020	1 1/4	1.85	400	81	6.85
AI-23-024	1 1/2	2.10	400	91	7.70
AI-23-032	2	2.63	400	120	9.95
AI-23-040	2 1/2	3.18	400	182	P.O.A.
AI-23-048	3	3.75	400	237	19.95
AI-23-064	4	4.70	400	330	28.50

STANDARD PACKAGE: 50', 100' Coils

HI-FLEX-EXTRA PRESSURE**SERIES: AI-25**
WIRE BRAIDED AIR HOSE

Recommended for the most severe service in mines, quarries, and heavy construction. The neoprene tube is designed to handle air, water, petroleum products, and a number of acids and chemicals. The hypalon cover offers excellent ozone and abrasion resistance as well as resistance to a great many acids and chemicals.

COVER: Yellow hypalon.

REINFORCEMENT: Braids of high tensile steel.

TUBE: Black Neoprene

PART NUMBER	SIZE I.D.	STEEL LAP OR BRAIDS	O.D. (INS)	WORKING PSI	WEIGHT LBS/100'	LIST PRICE \$ PER FT.
AI-25-008	1/2	2 Lap	0.98	1000	42	4.90
AI-25-012	3/4	2 Lap	1.22	800	55	5.90
AI-25-016	1	2 Lap	1.50	650	81	7.20
AI-25-020	1 1/4	2 Lap	1.81	650	103	9.20
AI-25-024	1 1/2	2 Lap	2.05	650	140	10.95
AI-25-032	2	4 Lap	2.60	650	188	14.55
AI-25-040	2 1/2	4 Lap	3.15	600	257	P.O.A.
AI-25-048	3	4 Lap	3.70	450	335	P.O.A.
AI-25-064	4	4 Lap	4.88	400	470	P.O.A.

STANDARD PACKAGE: 50' Coils

GREEN DIAMOND

SERIES: WA-01
GOLF COURSE AND GARDEN HOSE

This rugged hose built for golf courses, nurseries and lawn maintenance, has a PVC tube and Green cover. The polyester reinforcement gives it a burst pressure of 500 PSI.

PART NUMBER	SIZE I.D.	O.D.	WEIGHT LBS / 100'	STANDARD PACKAGE	LIST PRICE \$ PER FT.
WA-01-008	1/2	0.70	11.8	300	0.76
WA-01-012	3/4	1.00	21.5	300	1.24
WA-01-016	* 1	1.31	35.5	100	2.05

* Heavy Duty Golf Course Hose

GREEN DIAMOND - ASSEMBLIES

c/w Male x Female GHT (Light Duty Zinc-Plated)

PART NUMBER	SIZE I.D.	LENGTH FT.	LIST PRICE \$ PER ASS'Y
XGD-08025GHT	1/2	25'	25.50
XGD-08050GHT	1/2	50'	45.60
XGD-08100GHT	1/2	100'	85.60
XGD-12025GHT	3/4	25'	41.90
XGD-12050GHT	3/4	50'	74.60
XGD-12100GHT	3/4	100'	140.00

PREMIUM WATER DISCHARGE

SERIES: WA-03

COVER: Black smooth EPDM
TUBE: Black EPDM
TEMP.: -40°C to +82°C

REINFORCEMENT: Multiple spirals of synthetic yarn
APPLICATIONS: For use on construction sites and general water service

PART NUMBER	SIZE I.D.	LAPS	O.D. (INS.)	WORKING PSI	WEIGHT LBS/100'	LIST PRICE \$ PER FT.
WA-03-008	1/2	2 Laps	0.81	250	20	1.10
WA-03-012	3/4	2 Laps	1.11	250	32	1.60
WA-03-016	*1	2 Laps	1.40	250	45	2.40

*1" - Red Cover - Recommended for Diamond Drilling

STANDARD PACKAGE: 1/2" & 3/4" = 50'/300' Coils, 1" = 100' Coils

PREMIUM WATER - ASSEMBLIES

c/w Male x Female GHT (Heavy Duty Machined Brass)

PART NUMBER	SIZE I.D.	LENGTH FT.	LIST PRICE \$ PER ASS'Y
XPW-08025BC	1/2	25'	36.65
XPW-08050BC	1/2	50'	65.00
XPW-08100BC	1/2	100'	120.00
XPW-12025BC	3/4	25'	52.70
XPW-12050BC	3/4	50'	88.95
XPW-12100BC	3/4	100'	161.50

MASTER PUMP

SERIES: WA-05

CONTRACTORS RUBBER DISCHARGE HOSE

Recommended for all normal pump and water pressure service encountered on construction sites, industrial use, etc.

COVER: Black weather resistant rubber

REINFORCEMENT: Rayon braids or plys

TUBE: Black rubber

PART NUMBER	SIZE I.D.	BRAID/PLY	O.D. (INS.)	WORKING PSI	WEIGHT LBS/100'	LIST PRICE \$ PER FT.
WA-05-020	1 1/4	1 Ply	1.63	125	41	3.80
WA-05-024	1 1/2	2 Ply	1.88	100	48	3.95
WA-05-032	2	2 Ply	2.35	100	63	4.60
WA-05-040	2 1/2	2 Ply	2.85	100	90	6.40
WA-05-048	3	2 Ply	3.35	85	106	6.80
WA-05-064	4	2 Ply	4.35	85	140	9.30
WA-05-096	6	4 Ply	6.41	75	233	14.90
WA-05-128	8	4 Ply	8.40	75	320	27.50
WA-05-160	10	4 Ply	10.50	75	492	40.20

STANDARD PACKAGE: 50' Coils

SINGLE JACKET MILL DISCHARGE HOSE

SERIES: WA-16

FEATURES & BENEFITS

- 100% Polyester Single Jacket - water resistant cover will not rot, even if the hose is stored wet.
- Smooth Natural Rubber Tube - provides strength and flexibility. Hose may be rolled easily for storage.
- Good Cold Temperature Flexibility - -25°F to 185°F.
- Lightweight and Layflat - for ease of handling and storage.
- White Cover with Red Stripe - for easy identification.

NOTE: Not intended for use as a fire hose

APPLICATIONS: Heavy Duty Water Pump Discharge on construction sites etc.
Washdown service on ships, in mills and manufacturing plants.

PART NUMBER	SIZE I.D.	WORKING PSI	WEIGHT LBS/100'	STANDARD LENGTH	LIST PRICE \$ PER FT.
WA-16-024	1 1/2	150	14	100	1.86
WA-16-032	2	150	20	100	2.10
WA-16-040	2 1/2	150	26	100	2.75
WA-16-048	3	150	32	100	5.40
WA-16-064	4	150	50	100	9.25

NOTE: Each 100' coil is marked at the 50 foot length to eliminate measuring.

POLYPUMP "BLUE"

SERIES: WA-09
STANDARD P.V.C. DISCHARGE HOSE

High quality P.V.C. Discharge Hose constructed of woven synthetic fibers completely enveloped in rugged abrasion resistant P.V.C. Temp: -5°F to +130°F.

PART NUMBER	SIZE INS.	WORKING PRESSURE	WEIGHT LBS / 100'	LIST PRICE \$ PER FT.
WA-09-016	1	110	9.6	0.90
WA-09-024	1 1/2	80	18.0	0.85
WA-09-032	2	75	23.0	0.99
WA-09-040	2 1/2	75	25.0	1.52
WA-09-048	3	75	36.0	1.74
WA-09-064	4	70	51.0	2.50
WA-09-096	6	70	84.0	4.50
WA-09-128	8	70	112.0	9.15

MAXIMUM LENGTHS: 1 1/2" thru 4" - 300' 6" thru 8" - 150'

POLYPUMP "GREEN"

SERIES: WA-11
MEDIUM DUTY P.V.C. DISCHARGE HOSE

Manufactured with a heavier wall thickness than the "Standard Blue Layflat"; Suitable for Contractors etc.

PART NUMBER	SIZE INS.	WORKING PRESSURES	WEIGHT LBS/100'	LIST PRICE \$ PER FT.
WA-11-024	1 1/2	90	21.0	1.20
WA-11-032	2	90	26.0	1.27
WA-11-048	3	90	41.0	2.24
WA-11-064	4	75	58.0	2.90
WA-11-096	6	75	93.0	6.08

STANDARD PACKAGE: 300' Coils

POLYPUMP "BROWN"

SERIES: WA-13
HEAVY DUTY P.V.C. DISCHARGE HOSE

"Top of the Line". This hose is manufactured with high tensile synthetic fibre reinforcement and a greater wall thickness than the Medium Duty Green Hose. Suitable for the more rugged constructions sites etc.
Temp: -5°F to +130°F.

PART NUMBER	SIZE INS.	WORKING PRESSURES	WEIGHT LBS/100'	LIST PRICE \$ PER FT.
WA-13-024	1 1/2	120	22	1.60
WA-13-032	2	120	29	2.06
WA-13-040	2 1/2	120	41	4.00
WA-13-048	3	120	43	3.38
WA-13-064	4	120	60	4.84
WA-13-096	6	90	101	8.16
WA-13-128	8	90	150	25.40

STANDARD PACKAGE: 300' Coils

DURAPUMP

SERIES WA-06

LIGHTWEIGHT HIGH PRESSURE RUBBER DISCHARGE

A lightweight, high pressure rubber discharge hose, suited ideally for portable pumps. This hose has excellent weathering resistance, is flame retarding, limited oil resistant and highly abrasive resistant.

COVER: Black, abrasion, weather and oil resistant, neoprene rubber
REINFORCEMENT: Polyester fabric woven on a circular loom
TUBE: Black abrasion and oil resistant, neoprene rubber

PART NUMBER	I.D.	O.D.	W.P.	LBS / FT WEIGHT	LIST PRICE \$ PER FT.
WA-06-024	1 1/2"	1.70	200	0.20	5.70
WA-06-032	2"	2.25	200	0.30	6.20
WA-06-048	3"	3.30	175	0.44	9.40
WA-06-064	4"	4.27	175	0.67	12.10
WA-06-096	6"	6.31	150	1.26	21.00

FITTED ASSEMBLY	c/w Male / Female NPSM Short Shank Couplings		c/w Alum. Part C & E "Cam-Lock" Couplings	
	PART NUMBER	LIST \$ Per Assy	PART NUMBER	LIST \$ Per Assy
2" x 25' Assembly Complete	XWA06-032CSS	172.00	XWA06-032CCE	172.00
3" x 25' Assembly Complete	XWA06-048CSS	264.00	XWA06-048CCE	270.00
4" x 25' Assembly Complete	XWA06-064CSS	350.00	XWA06-064CCE	352.00
6" x 25' Assembly Complete	XWA06-096CSS	634.00	XWA06-096CCE	599.00
2" x 50' Assembly Complete	XWA06-032GSS	315.00	XWA06-032GCE	325.00
3" x 50' Assembly Complete	XWA06-048GSS	495.00	XWA06-048GCE	495.00
4" x 50' Assembly Complete	XWA06-064GSS	644.00	XWA06-064GCE	635.00
6" x 50' Assembly Complete	XWA06-096GSS	995.00	XWA06-096GCE	998.00

POLYTUFF**PVC SUCTION HOSE**
SERIES: WA-17
 CLEAR WITH WHITE HELIX

Manufactured from highest quality virgin polyvinyl chloride with smooth inside bore for maximum flow rate.

APPLICATION: Water, light chemical solutions.
TEMP. RANGE: Heavy Duty = -10°F to 140°F
VACUUM RATING: 30Hg @ 68°F (See Chemical Resistance Chart - Page 61)

PART NUMBER	SIZE I.D.	SIZE O.D.	P.S.I. @ 72°F	WEIGHT LBS/100'	STANDARD PACK	LIST PRICE \$ PER FT.
WA-17-012	3/4"	0.95	86	16	100	1.60
WA-17-016	1"	1.23	86	26	100	1.90
WA-17-020	1 1/4"	1.53	80	37	100	2.15
WA-17-024	1 1/2"	1.82	75	44	100	2.60
WA-17-032	2"	2.41	72	74	100	4.00
WA-17-040	2 1/2"	2.90	72	101	100	5.60
WA-17-048	3"	3.48	62	121	100	7.25
WA-17-064	4"	4.58	55	200	100	12.10
WA-17-080	5"	5.55	33	245	100	P.O.A.
WA-17-096	6"	6.79	33	337	100	23.65
WA-17-128	8"	8.92	28	580	50	P.O.A.

ALSO AVAILABLE IN SOLID GREEN COLOUR. FOR GREEN, ADD "G" TO PART NUMBER

FLEXTUFF - 300 EPDM
SERIES: AG-01
 ALL WEATHER SUCTION HOSE

Kanaflex® - 300 EPDM

CONSTRUCTION: Smooth bore EPDM rubber with Green external polyethylene helix.

FEATURES:

- Lightweight and flexible
- External helix provides for easy drag and good abrasion resistance
- Resistant to agricultural chemicals

APPLICATIONS:

- Construction dewatering
- Septic and cesspool cleaning
- Water and liquid handling in rental and agricultural industries
- Liquid manure

TEMP. RANGE: -40°F to 158°F

PART NUMBER	SIZE (INS.)	O.D. (INS.)	BEND RADIUS @ 72°F	P.S.I. @ 72°F	VACUUM @ 72°F	WEIGHT LBS / FT.	LIST PRICE \$ PER FT.
AG-01-016	1"	1.34	1.9"	50	29.8	0.23	3.40
AG-01-020	1 1/4"	1.65	3.2"	50	29.8	0.34	3.80
AG-01-024	1 1/2"	1.84	3.2"	50	29.8	0.40	4.20
AG-01-032	2"	2.43	5.2"	50	29.8	0.67	6.00
AG-01-040	2 1/2"	2.94	5.6"	50	29.8	0.92	10.05
AG-01-048	3"	3.52	7.1"	43	29.8	1.10	11.55
AG-01-064	4"	4.61	11.0"	38	29.8	1.84	19.45
AG-01-096	6"	6.69	20.0"	23	28.0	3.07	36.70

STANDARD PACKAGE: 1-1/4" to 4" = 100' 6" = 20', 30', 50'

MASTERTUFF - LOW TEMP

(NO WIRE)

SERIES: WA-23

LIGHTWEIGHT & KINK RESISTANT

Kanaflex® - 220 RS

A revolutionary new method of manufacturing rubber suction and discharge hose resulting in long term reduced cost to users. The new process, ten years in developing utilizes SBR Type "T" Polymer to give outstanding flexibility, light weight and long life.

TEMP. RANGE: -40° F to 160° F

KINK RESISTANT: (No Wire) Up to 40% less weight than standard hose

PART NUMBER	I.D. (INS.)	O.D. (INS.)	P.S.I. @ 72°	MIN. BEND RADIUS	VACUUM RATING	WEIGHT LBS/FT	LIST PRICE \$ PER FT.
WA-23-024	1 1/2"	1.78	50	3"	29.8	0.50	8.25
WA-23-032	2"	2.40	50	4"	29.8	0.74	9.90
WA-23-040	2 1/2"	2.92	50	5"	29.8	1.00	13.45
WA-23-048	3"	3.40	45	6"	29.8	1.20	16.15
WA-23-064	4"	4.50	40	9"	29.8	2.00	25.00
WA-23-096	6"	6.75	25	15"	28.0	3.35	44.80

STANDARD PACKAGE: 1-1/2" to 4" = 100' 6" = 20', 40', 60'

MASTERTUFF - GAFLO

(WITH WIRE HELIX)

SERIES: WA-25

COVER: Black EPDM smooth abrasion resistant rubber

REINFORCEMENT: Synthetic fabric with wire helix

TUBE: Black EPDM smooth rubber

PART NUMBER	I.D. (INS.)	O.D. (INS.)	WORKING P.S.I.	MIN. BEND RADIUS	WEIGHT LBS/FT	LIST PRICE \$ PER FT.
WA-25-016	1"	1.39	250	8"	0.53	6.20
WA-25-020	1 1/4"	1.75	250	10"	0.64	6.35
WA-25-024	1 1/2"	2.00	250	12"	0.75	6.16
WA-25-032	2"	2.50	150	16"	1.15	7.15
WA-25-040	2 1/2"	3.05	150	23"	1.41	11.00
WA-25-048	3"	3.55	150	27"	1.95	11.30
WA-25-064	4"	4.62	150	36"	3.28	16.20
WA-25-096	6"	6.79	75	54"	6.58	34.55
WA-25-128	8"	9.31	75	72"	9.92	65.95
WA-25-160	10"	10.94	75	90"	15.83	105.40

STANDARD PACKAGE: 60' and 100'

KANALINE SR



SERIES: WA-20

Kanaflex

Kanaline SR is a new water suction and discharge hose designed for demanding service. This pvc hose is reinforced with braiding to withstand pressure while maintaining excellent flexibility and light weight.

TEMP. RANGE: -13F to 158F

APPLICATIONS: Heavy duty suction and discharge hose for use in fish suction and rental / construction pumping.

PART NUMBER	SIZE (INS.)	O.D. (INS.)	WORKING PRESSURE PSI @ 72°F	MINBEND RADIUS INS @ 72°F	VACUUM RATING INS @ 72°F	WEIGHT LBS / FT	STD. PKG	LIST PRICE \$ / FT
WA-20-024	1-1/2"	2.01	125	2.0	28	0.41	60 / 100'	8.15
WA-20-032	2"	2.58	125	4.0	28	0.65	60 / 100'	9.75
WA-20-048	3"	3.60	125	6.3	28	1.07	60 / 100'	11.55
WA-20-064	4"	4.72	100	7.1	28	1.74	60 / 100'	17.35
WA-20-096	6"	7.17	50	10.2	28	3.87	60 / 100'	35.50
WA-20-128	8"	9.33	50	15.7	28	5.34	25'	61.65
WA-20-160	10"	11.6	36	24.8	28	8.67	20'	94.95

HI-VAC (TIGER TAIL)



SERIES: WA-19
CRUSHPROOF VACUUM HOSE

- The ultimate premium all plastic vacuum hose. Tough, rugged, lightweight, non-kinking, crush proof.
- Smooth inner bore for maximum flow rate. Black ribs protect against abrasion.
- Fatigue resistant web section extremely flexible, even at sub 0° temperatures.

FULL VACUUM SERVICE AT TEMPERATURE TO -40°F



DON'T BE FOOLED BY
CHEAP IMITATIONS!

PART NUMBER	SIZE (INS.)	WORKING P.S.I.	WEIGHT LBS/FT.	LIST PRICE \$ PER FT.
WA-19-024	1 1/2"	20	0.40	9.80
WA-19-032	2"	15	0.80	12.65
WA-19-040	2 1/2"	10	1.20	P.O.A.
WA-19-048	3"	7	1.60	19.95

STANDARD LENGTHS: 1-1/2" = 20', 30', 60'. 2" = 20', 25', 40', 50', 60'.
3" = 20', 30', 60' (25' & 50' add 5%)

SERIES: WA-21

HI-VAC "BOOT SLIDE"

PART NO. WA-19-048-3

3" ID x 36" c/w Cuffs LIST \$ 93.95

(FOR SEWER CLEANING HOSE)

HI-VAC CUFFS

PART NUMBER	SIZE (INS.)	LIST PRICE \$ EA.
WA-21-024	1 1/2"	8.00
WA-21-032	2"	11.00
WA-21-040	2 1/2"	P.O.A.
WA-21-048	3"	19.00

**Construction:**

- Core/Liner – Pure white PVC compound material, formulated with ingredients in compliance with applicable FDA² requirements, meets NSF¹ criteria and California Proposition 65³
- Reinforcement – High tensile strength yarn. Also has longitudinal yarns which reduces elongation under pressure
- Cover – Blue colour signifies a pure water line. High quality flexible PVC compound is uniquely blended to give excellent abrasion and weathering resistance.
- White core/liner and blue cover reduces tendency for algae growth in warm, sunny environments
- Extremely lightweight. 22-25% lighter than conventional rubber hose which reduces worker fatigue
- Hassle free and easier to use requiring less installation time than rigid pipe
- Strong and durable for construction site environments
- Heavy Duty construction to limit kinking in the hot summer sun
- Good abrasion resistance
- No bad taste or odor is left in the water that conventional rubber hose can leave

Features:

- KC046-W, high purity NSF-61 certified core/liner material diminishes water quality concerns regarding surfaces in which potable water comes into contact.
- KC046-W core/liner is less porous than that of conventional rubber hoses commonly used and easier to flush out and keep clean.
- Silicone-free

General Applications:

- Transfer of potable water
- Water purification systems
- Temporary municipal surface bypass potable water lines for municipal construction
- Water sampling

Service Temperature Range: -10°F (-23°C) to 150°F (+65°C)

BULK HOSE PART#	SIZE I.D.	BRAID	O.D. (INS)	MAX W.P. (P.S.I) @ 70°F	Reel Length	List Price Per FT
WA-04-012	3/4"	2	1.125	250	500'	\$2.57

POTABLE WATER HOSE ASSEMBLIES C/W H.D. GARDEN HOSE ENDS

ASSEMBLY PART#	SIZE X LENGTH	DESCRIPTION	WEIGHT PER ASSY	Assembly List Price
XWA0412-50	3/4" x 50'	Potable Water Assy C/W FxF H.D. Brass GHT Ends	17lbs	\$147.77
XWA0412-60	3/4" X 60'	Potable Water Assy C/W FxF H.D. Brass GHT Ends	21lbs	\$173.12
XWA0412-75	3/4" X 75'	Potable Water Assy C/W FxF H.D. Brass GHT Ends	26lbs	\$204.66
XWA0412-80	3/4" X 80'	Potable Water Assy C/W FxF H.D. Brass GHT Ends	27lbs	\$207.77
XWA0412-100	3/4" X 100'	Potable Water Assy C/W FxF H.D. Brass GHT Ends	34lbs	\$263.99

PVC / URETHANE BLEND SPRAY HOSE

RIBBED COVER

ENGINEERED FOR USE WITH LIQUID AROMATIC HYDROCARBON BASED CHEMICALS

RECOMMENDED FOR: Agricultural spraying, commercial weed & pest control spraying, transfer of aromatic hydrocarbon based chemicals (i.e. xylene).

FEATURES:

- Lightweight and flexible
- Excellent abrasion resistance
- 3 pressure ratings: 200, 600, 800 PSI
- Cover pin-pricked to vent vapour and prevent ballooning
- Cover colour coded for safety

TEMP. RANGE: -10°C (15°F) to 70°C (160°F)

AG-SPRAY 200

GREEN-RIBBED COVER

SERIES: AG-07
TYPE 31

PART NUMBER	SIZE I.D.	O.D.	WORKING PRESSURE @ 72°F	WEIGHT LBS / 100'	STANDARD PACKAGE	LIST PRICE \$ PER FT.
AG-07-006	3/8"	0.625	250	12	300' / 400'	1.55
AG-07-008	1/2"	0.770	250	16	300' / 400'	1.75
AG-07-012	3/4"	1.125	200	26	300'	P.O.A.

AG-SPRAY 600

YELLOW-RIBBED COVER

SERIES: AG-09
TYPE 32

PART NUMBER	SIZE I.D.	O.D.	WORKING PRESSURE @ 72°F	WEIGHT LBS / 100'	STANDARD PACKAGE	LIST PRICE \$ PER FT.
AG-09-16606	3/8"	0.650	600	13.2	300' / 400'	1.70
AG-09-16608	1/2"	0.840	600	17.3	300' / 400'	2.15
AG-09-16612	3/4"	1.140	600	34.5	300' / 400'	4.90

AG-SPRAY 800

GREEN OR BLUE-RIBBED COVER

SERIES: AG-10
TYPE 33

PART NUMBER	SIZE I.D.	O.D.	WORKING PRESSURE @ 72°F	WEIGHT LBS / 100'	STANDARD PACKAGE	LIST PRICE \$ PER FT.
AG-10-16806	3/8"	0.650	800	13.8	300' / 400'	2.35
AG-10-16808	1/2"	0.850	800	21.4	300' / 400'	3.15
AG-10-16812	3/4"	1.150	800	35.9	300' / 400'	P.O.A.

E.V.A. WEED SPRAY HOSE

SERIES: AG-03

In addition to the agricultural spray hoses, we offer an E.V.A. (Ethyl Vinyl Acetate) weed spray hose with a working pressure of 250 P.S.I. It is made of a non-toxic compound of V.A. in polyethylene. This hose can be used for Monsanto's Pesticide, "lasso", anhydrous ammonia applications and for conveying beverages.

COLOUR: Clear

REINFORCEMENT: Polyester Yarn

PART NUMBER	SIZE I.D.	O.D.	WORKING PRESSURE @ 72°F	WEIGHT LBS / 100'	STANDARD PACKAGE	LIST PRICE \$ PER FT.
AG-03-006	3/8"	0.594	250	7	500' / 600'	0.90
AG-03-008	1/2"	0.719	250	9	500' / 600'	1.20
AG-03-012	3/4"	0.970	150	13	300'	1.85
AG-03-016	1"	1.313	150	24	200'	2.99

CLEAR TUBING

SERIES: FB-01

A non-toxic tubing made in accordance with the F.D.A. safe approved list for food and beverage applications. The tubing is odourless and taste-free. It is also suitable for other applications, including soap solutions, alcohols, natural gas, oxygen and a number of acids and salt solutions.

PART NUMBER	SIZE I.D.	OUTSIDE DIAMETER	WALL	WORKING PRESSURE	LIST PRICE \$ PER FT.
FB-01-0203	1/8"	3/16"	1/32"	50	P.O.A.
FB-01-0204	1/8"	1/4"	1/16"	65	0.22
FB-01-0304	3/16"	1/4"	1/32"	50	0.19
FB-01-0305	3/16"	5/16"	1/16"	55	0.25
FB-01-0306	3/16"	3/8"	3/32"	60	0.45
FB-01-0406	1/4"	3/8"	1/16"	55	0.30
FB-01-0407	1/4"	7/16"	3/32"	58	0.53
FB-01-0408	1/4"	1/2"	1/8"	60	0.63
FB-01-0507	5/16"	7/16"	1/16"	50	0.34
FB-01-0509	5/16"	9/16"	1/8"	60	0.94
FB-01-0608	3/8"	1/2"	1/16"	45	0.37
FB-01-0610	3/8"	5/8"	1/8"	60	0.76
FB-01-0810	1/2"	5/8"	1/16"	30	0.46
FB-01-0812	1/2"	3/4"	1/8"	45	0.99
FB-01-1013	5/8"	13/16"	3/32"	35	0.90
FB-01-1014	5/8"	7/8"	1/8"	40	1.10
FB-01-1216	3/4"	1"	1/8"	35	1.29
FB-01-1218	3/4"	1 1/8"	3/16"	45	2.45
FB-01-1220	3/4"	1 1/4"	1/4"	40	3.64
FB-01-1418	7/8"	1 1/8"	1/8"	30	1.90
FB-01-1620	1"	1 1/4"	1/8"	25	1.90
FB-01-1624	1"	1 1/2"	1/4"	40	4.60
FB-01-2024	1 1/4"	1 1/2"	1/8"	20	2.28
FB-01-2028	1 1/4"	1 3/4"	1/4"	40	5.70
FB-01-2430	1 1/2"	1 7/8"	3/16"	30	4.29
FB-01-2432	1 1/2"	2"	1/4"	35	6.30
FB-01-3240	2"	2 1/2"	1/4"	35	7.30

STANDARD PACKAGED - 100' Coils**NOTE:** Other O.D. Sizes Available - P.O.A.

POLYWIRE

SERIES: FB-06

CLEAR PVC FOOD SUCTION WITH HELIX WIRE (with Rated Working Pressures)

COVER: Smooth clear non-marking P.V.C.
TUBE: Smooth clear P.V.C.
REINFORCEMENT: Spring steel wire helix.

TEMP. RANGE: 1/4" & 3/8" (-25°F to 150°F)
 1/2" to 2" (-25°F to 175°F)

HEAVY WALL

APPLICATIONS:

- Full Vacuum Lines
- Industrial Vacuum Pumps
- Food and Beverage Dispensing
- Air and Water Supply Lines
- Car Wash Applications
- Coolant Lines
- Air Breathing Lines
- Pneumatic Parts Transfer

FEATURES:

- Full Vacuum Rating
- Anti Kinking
- Anti Collapsible
- Non Toxic
- Full, clear, visual flow
- Glass smooth interior to reduce material build-up
- Ozone and Atmospheric Resistant
- Rated working pressures (see guide below)
- Chemical resistant (see guide)

PART NUMBER	SIZE I.D.	O.D. (INS.)	WORKING @70°F	P.S.I. @122°F	BEND RADIUS @70°F	WEIGHT LBS/100'	STD PACK	LIST PRICE \$ PER FT
FB-06-004	1/4"	0.50	250	80	1	10	100'	1.25
FB-06-006	3/8"	0.63	150	80	1 1/2	14	100'	1.85
FB-06-008	1/2"	0.81	150	80	2	18	100'	2.85
FB-06-010	5/8"	1.00	150	65	2 1/2	29	100'	4.60
FB-06-012	3/4"	1.13	150	65	3	34	100'	5.25
FB-06-016	1"	1.38	100	55	4	49	100'	6.50
FB-06-020	1 1/4"	1.75	100	50	5	82	50'	11.20
FB-06-024	1 1/2"	2.00	100	35	6	98	50'	13.25
FB-06-032	2"	2.50	100	35	8	122	50'	18.45

POLYSPRING

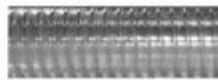


SERIES: FB-07
 STANDARD WALL

Same construction as Polywire but with a thinner wall for increased flexibility and light weight

PART NUMBER	SIZE I.D.	O.D. (INS.)	WORKING @70°F	P.S.I. @122°F	BEND RADIUS @70°F	WEIGHT LBS/100'	STD PACK	LIST PRICE \$ PER FT
FB-07-004	1/4"	0.447	150	70	1	7	100'	1.10
FB-07-006	3/8"	0.600	100	70	1 1/2	11	100'	1.56
FB-07-008	1/2"	0.736	100	70	2	15	100'	2.45
FB-07-010	5/8"	0.861	100	50	2 1/2	18	100'	3.90
FB-07-012	3/4"	1.03	70	50	3	25	100'	4.45
FB-07-016	1"	1.29	70	35	4	32	100'	5.60
FB-07-020	1 1/4"	1.60	70	35	5	50	50'	9.55
FB-07-024	1 1/2"	1.85	50	30	6	58	50'	11.25
FB-07-032	2"	2.39	50	30	8	84	50'	16.00

2 1/4", 2 1/2" and 3" Available - P.O.A.

FOOD HANDLING - 210 HFG

(Smooth Cover)

SERIES: FB-03
ALL CLEAR PVC SUCTION

All Clear Smooth Cover Food Suction Hose - adaptable to a wide variety of Fluid and Dry material food products in the Bottling, Canning and Dairy Industry.

TEMPERATURE RANGE: 20°F to 140°F

VACUUM RATING: 28Hg @ 68°F (20°C)

PART NUMBER	SIZE I.D.	O.D. (INS.)	P.S.I. @ 72°F	MIN.BEND RADIUS	WEIGHT LBS/FT.	STD. LENGTH	LIST PRICE \$ PER FT.
FB-03-020	1 1/4"	1.54	79	2.7"	0.37	100'	4.60
FB-03-024	1 1/2"	1.82	72	2.8"	0.44	100'	5.15
FB-03-032	2"	2.39	72	3.9"	0.74	100'	7.85
FB-03-040	2 1/2"	2.93	72	4.7"	1.01	100'	11.35
FB-03-048	3"	3.43	62	6.1"	1.21	100'	14.45
FB-03-064	4"	4.53	55	9.1"	2.01	100'	25.95
FB-03-080	5"	5.55	45	14.0"	2.45	100'	P.O.A.

FOOD HANDLING - 200 SFG

(Corrugated Cover)



SERIES: FB-04
"TIGERFLEX" - ALL CLEAR PVC SUCTION HOSE

All Clear Food Grade Hose With Corrugated Cover - for maximum flexibility and a smooth bore to eliminate material buildup. Complies with F.D.A. and U.S.A.D. requirements and 3-A Sanitary Standards. The clarity of this hose allows for easy inspection and the smooth tube is easily flushed and sanitized.

TEMPERATURE RANGE: Static Condition -40°F to +150°F / Dynamic Condition 14°F to 104°F

PART NUMBER	SIZE I.D.	O.D. (INS.)	P.S.I. @ 68°F	MIN.BEND RADIUS	WEIGHT LBS. / FT.	STD LENGTH	LIST PRICE \$ PER FT.
FB-04-016	1"	1.22	50	1.2"	0.17	100'	3.08
FB-04-020	1 1/4"	1.48	45	1.6"	0.21	100'	3.45
FB-04-024	1 1/2"	1.84	45	2.0"	0.34	100'	4.65
FB-04-032	2"	2.36	40	2.6"	0.50	100'	6.20
FB-04-040	2 1/2"	2.87	35	2.6"	0.68	100'	9.60
FB-04-048	3"	3.50	35	2.8"	1.00	100'	12.35
FB-04-064	4"	4.63	30	4.3"	1.52	100'	21.15
FB-04-096	6"	6.81	30	9.0"	3.08	100'	P.O.A.
	METRIC SIZE						
FB-04-45M	45mm	2.09	45	4.0"	0.44	50'	6.98
FB-04-57M	57mm	2.63	40	5.0"	0.62	50'	9.15

Food Handling w/Static Wire - see page 29

FOOD HANDLING - ST 200 SFG

(Corrugated Cover w/ static wire)

SERIES: FB-04

"TIGERFLEX" ALL CLEAR SUCTION HOSE

Same construction as 200 SFG with built in static wire for grounding

GENERAL APPLICATIONS: Pneumatic conveying for power, pellets or granular materials, also paper mill vacuum line.

PART NUMBER	SIZE I.D.	O.D. (INS.)	P.S.I. @ 68°F	MIN.BEND RADIUS	WEIGHT LBS / FT.	STD LENGTH	LIST PRICE \$ PER FT.
FB-04-020W	1 1/4"	1.65	50	2.0"	0.32	60'	7.30
FB-04-024W	1 1/2"	1.84	45	2.0"	0.34	100'	8.00
FB-04-032W	2"	2.36	40	2.6"	0.50	100'	10.90
FB-04-040W	2 1/2"	2.87	35	2.6"	0.68	100'	14.40
FB-04-048W	3"	3.50	35	2.8"	1.00	100'	19.85
FB-04-064W	4"	4.63	30	4.3"	1.52	100'	31.30
FB-04-080W	5"	5.75	30	8.0"	2.53	100'	P.O.A.
FB-04-096W	6"	6.81	30	9.0"	3.08	100'	P.O.A.
FB-04-45MW	45mm	2.09	45	4.0"	0.44	50'	10.70
FB-04-57MW	57mm	2.63	40	5.0"	0.62	50'	13.30

FOOD HANDLING**SERIES: FB-05**

GRAY / WHITE RUBBER SUCTION

COVER: Gray/White nitrile, oil and grease resistant.**REINFORCEMENT:** Steel helix embedded between layers of synthetic cords.**TUBE:** White nitrile, non-toxic, F.D.A. approved.**APPLICATIONS:** For handling most food products including fats, oils, up to 95°C (200°F) without impairing taste or odour.

PART NUMBER	SIZE I.D.	O.D. (INS.)	WP P.S.I.	WEIGHT LBS. / FT.	LIST PRICE \$ PER FT.
FB-05-024	1 1/2"	2.00	150	0.94	15.90
FB-05-032	2"	2.60	150	1.54	23.00
FB-05-040	2 1/2"	3.10	150	1.96	34.75
FB-05-048	3"	3.60	150	2.43	33.25
FB-05-064	4"	4.63	150	4.03	43.90

STANDARD LENGTHS: 10, 15, 20, 30, 40, 50, 60, and 100 FT.**MILK HOSE - 212 MK****SERIES: FB-02**

CLEAR PVC / KANAFLEX 212MK

CONSTRUCTION: Produced entirely of compounds in compliance with F.D.A. and 3-A non-toxic specifications. Smooth bore flexible PVC with PVC helix.**APPLICATIONS:** Designed to handle milk from pick-up to processing plant. Suitable for full suction.**TEMP. RANGE:** -13°F to 158°F

PART NUMBER	SIZE I.D.	O.D. (INS.)	P.S.I. @ 72°F	BEND RADUIS @ 72°F	WEIGHT LBS. / FT.	STD. LENGTH	LIST PRICE \$ PER FT.
FB-02-024	1 1/2"	1.82	66	2.0	0.44	100'	4.75
FB-02-032	2"	2.39	66	2.5	0.74	100'	7.00
FB-02-040	2 1/2"	2.93	66	5.0	1.01	100'	10.95
FB-02-048	3"	3.43	62	6.5	1.21	100'	P.O.A.

POLY TUBING: LOW DENSITY POLYETHYLENE

POLY TUBING is lightweight tubing extruded at close tolerance. Series 1505 natural Poly Tubing is odourless and tasteless, and all ingredients in the resin are on the F.D.A. approved list. This product has outstanding chemical resistance and an excellent ESCR rating (series 1501 is black).

NOTE: MULTIPLE TUBE BUNDLES are available with specification and price on application.

TEMP. RANGE: -45°C to +65°C (-50°F to +150°F)

APPLICATIONS: Air instrumentation, water lines, beverage and soda transfer, chemical spray.

POLY TUBING: FOOD GRADE-NATURAL

SERIES: PT-01

PART NUMBER	SIZE I.D.	O.D. (INS.)	WALL	W.P. @ 68°F	STD. PKG.	LBS. PER CFT.	LIST PRICE \$ PER FT.
PT-01-0440	0.170"	1/4	0.040	140	100 / 500'	1.1	0.16
PT-01-0462	1/8"	1/4	0.062	150	100 / 500'	1.5	0.21
PT-01-0562	3/16"	5/16	0.062	140	100 / 500'	1.6	0.23
PT-01-0662	1/4"	3/8	0.062	125	100 / 500'	2.5	0.27
PT-01-0862	3/8"	1/2	0.062	100	100 / 500'	3.5	0.37
PT-01-1062	1/2"	5/8	0.062	75	100 / 500'	4.6	0.51
PT-01-1275	0.600"	3/4	0.075	75	100 / 500'	6.6	P.O.A.

TO ORDER COLOURS OTHER THAN "NATURAL" Enter the 'letter' denoting the colour, as the last digit of the Part No. Last Digit of Part No. -R = Red, B = Blue, G = Green

POLY TUBING: INDUSTRIAL GRADE-BLACK

SERIES: PT-03

PART NUMBER	SIZE I.D.	O.D. (INS.)	WALL	W.P. @ 68°F	STD. PKG.	LBS. PER CFT.	LIST PRICE \$ PER FT.
PT-03-0440	0.170"	1/4	0.040	140	500'	1.1	0.17
PT-03-0462	1/8"	1/4	0.062	150	2000'	1.5	0.21
PT-03-0562	3/16"	5/16	0.062	140	1000'	1.6	P.O.A.
PT-03-0662	1/4"	3/8	0.062	125	1000'	2.5	0.26
PT-03-0862	3/8"	1/2	0.062	100	500'	3.5	0.39
PT-03-1062	1/2"	5/8	0.062	75	500'	4.6	0.57

Available only in 'standard package' quantity

NYLON 12 FLEXIBLE TUBING

SOLD IN 100' Coils

COLOUR: Natural

FEATURES: Abrasion resistant, low moisture absorption, excellent dimensional stability

APPLICATIONS: Air, instrumentation, lubrication, fuel lines, process lines for gas, chemicals, coolant lines for air conditioning and refrigeration equipment, food and beverage, low pressure hydraulic lines.

PART NUMBER	TUBE O.D.	I.D. (INS.)	WALL (INS.)	W.P. @ 68°F	WEIGHT LBS/100'	STANDARD LENGTH	LIST PRICE \$ PER FT.
32-100	1/8"	0.093	0.016	200	0.50	100'	0.40
32-110	5/32"	0.106	0.025	250	0.75	100'	0.45
32-113	3/16"	0.138	0.025	200	0.56	100'	0.53
32-120	1/4"	0.170	0.035	300	1.10	100'	0.88
32-130	5/16"	0.233	0.040	250	1.64	100'	1.32
32-140	3/8"	0.275	0.050	250	2.52	100'	1.59
32-150	1/2"	0.375	0.063	200	3.96	100'	2.85
METRIC	METRIC						
32-111	4MM	2MM	1MM	300	0.75	100'	0.49
32-115	6MM	4MM	1MM	300	1.15	100'	0.80
32-135	8MM	6MM	1MM	250	2.40	100'	1.20
32-145	10MM	8MM	1MM	200	2.50	100'	1.35
32-147	12MM	10MM	1MM	200	2.60	100'	1.50

POLYURETHANE TUBING: INCH SIZE

APPLICATION: High quality tubing recommended for pneumatics circuitry, laboratories, Instrumentation, robotics, refrigeration, water & chemical products.

FEATURES: Excellent elastic memory, very resistant to abrasion, kinking and chemicals.

SPECIFICATIONS: 95 duro polyurethane construction.

TEMP. RANGE: -45°C to +85°C (-50°F to +180°F)

RECOMMENDED FITTINGS:

40 Series Push-In Fittings

Polyflo Series Compression Fittings

PART NUMBER	TUBE O.D. (INS)	TUBE I.D. (INS)	W.P. (PSI) @ 70°F	STD. COLOUR	STD. PACK/REEL	LIST PRICE \$ PER FT.
*PU40-3113	1/8	0.0625	100	Blue	100' / 500'	0.30
*PU40-3123	5/32	0.093	100	Blue	100' / 500'	P.O.A.
PU40-3143	1/4	0.160	125	Blue	100' / 500'	0.70
PU40-3163	5/16	0.188	75	Blue	100' / 500'	1.19
PU40-3173	3/8	0.250	100	Blue	100' / 500'	1.47
*PU40-3193	1/2	0.375	75	Blue	100' / 500'	2.06

POLYURETHANE TUBING: METRIC SIZE

PART NUMBER	TUBE O.D. (mm)	TUBE I.D. (mm)	W.P. (PSI) @ 70°F	STD. COLOUR	STD. PACK/REEL	LIST PRICE \$ PER FT.
PUM40-4103	4	2	100	Blue	100' / 500'	0.35
PUM40-4133	6	4	100	Blue	100' / 500'	0.56
PUM40-4143	8	6	75	Blue	100' / 500'	0.82
*PUM40-4173	10	8	75	Blue	100' / 500'	1.02
*PUM40-4183	12	10	75	Blue	100' / 500'	P.O.A.

* NON-STOCK ITEMS

**PLEASE NOTE: OTHER COLOURS AVAILABLE ON REQUEST
THIS PRODUCT IS SOLD IN 100' COILS OR 500' REELS ONLY!**

VACUUM CLEANER HOSE

COMMERCIAL - WET & DRY

The most versatile commercial vacuum hoses available. Unique 'Non-Wire' construction; made of the highest quality plastic resins. Smooth interior assures maximum flow. Lightweight, flexible and crushproof.

PART NUMBER	SERIES # HOSE TYPE SIZE	VA-01 Z-VAC \$ PER FT.	VA-03 G-VAC \$ PER FT.
** - ** - 020	1 1/4"	2.65	2.70
** - ** - 024	1 1/2"	2.95	3.25
** - ** - 032	2"	P.O.A	4.75

To Complete Part No - Enter Series #

- STANDARD LENGTHS: 50'

SCREW-ON CUFFS

FOR Z-VAC & G-VAC		
PART NUMBER	SIZE	LIST PRICE \$ EA.
VA-15-93121	1 1/4"	2.65
VA-15-90121	1 1/2"	2.95
VA-15-91121	2"	6.70



SERIES: VA-15

DOUBLE THREADED HOSE CONNECTOR

PART NUMBER	SIZE	LIST PRICE \$ EA.
VA-18-92921	1 1/4"	5.95
VA-18-93021	1 1/2"	6.90
VA-18-94621	2"	8.50

SERIES: VA-18

**"KINGKUFF" - SWIVEL SCREW-ON CUFF**

PART NUMBER	SIZE	LIST PRICE \$ EA.
VA-16-19235	1 1/2"	7.80
VA-16-19236	2"	P.O.A.

SERIES: VA-16

**ANGLE SCREW-ON CUFF**

PART NUMBER	SIZE	LIST PRICE \$ EA.
VA-19-90821	1 1/2"	8.25

SERIES: VA-19



INDUSTRIAL VAC-180 AR**Kanaflex** -180 AR**SERIES: VA-11**
"THE LIGHTWEIGHT CHAMP"

A premium quality, lightweight hose, ideal for Dry Material Handling - i.e. Crushed Rock, Sand, Gravel, Iron Ore, Grains, Coal Dust, etc.

TEMP. RANGE: -40°F to 158°F. Static dissipating.

LIGHTWEIGHT: Up to 60% lighter than plied rubber hoses - easier to handle

EXTREMELY FLEXIBLE: **Crush Resistant - Smooth Bore** - makes for faster and more efficient transfer of dry material.

PART NUMBER	SIZE I.D.	O.D. (INS)	WORKING PRESSURE 72°F	VACUUM RATING 72°F	BEND RADIUS (INS)	WEIGHT LBS/FT.	S'TD PKG.	LIST PRICE \$ PER FT.
VA-11-020	1 1/4"	1.57	45	29.8	2.0	0.31	100'	6.30
VA-11-024	1 1/2"	1.84	45	29.8	2.0	0.37	100'	6.75
VA-11-032	2"	2.36	40	29.8	2.5	0.56	100'	10.95
VA-11-040	2 1/2"	2.87	35	29.8	2.5	0.71	100'	14.00
VA-11-048	3"	3.47	35	29.8	2.8	1.00	100'	18.50
VA-11-056	3 1/2"	4.11	30	29.8	4.0	1.40	100'	27.95
VA-11-064	4"	4.63	30	29.8	4.3	1.66	100'	30.50
VA-11-080	5"	5.71	30	28.0	6.2	2.45	50'	47.65
VA-11-096	6"	6.73	30	28.0	9.2	3.08	50'	58.80
VA-11-128	8"	9.04	30	27.0	15.0	5.65	50'	97.95
VA-11-160	10"	11.26	28	25.0	30.0	9.35	20'	163.00
VA-11-192	12"	13.39	25	25.0	40.0	11.40	20'	201.00

"POWER LOCK" BOLT CLAMP

RECOMMENDED FOR HOSE TYPES
(180AR, 180HR, 180BL)

Kanaflex

PART NUMBER	SIZE	LIST PRICE \$ EA.
PLC-200	2"	15.00
PLC-250	2 1/2"	17.00
PLC-300	3"	18.00
PLC-400	4"	21.00
PLC-500	5"	28.95

PART NUMBER	SIZE	LIST PRICE \$ EA.
PLC-600	6"	29.00
PLC-800	8"	44.00
PLC-1000	10"	P.O.A.
PLC-1200	12"	P.O.A.



Clockwise Spiral

INDUSTRIAL VAC-180 HR**Kanaflex** -180 HR**SERIES: VA-12**
HIGH TEMP.

Same construction as 180 AR, with wire reinforced helix and good heat resistance. Lightweight and very flexible with static dissipating tube

PART NUMBER	SIZE I.D.	O.D. (INS.)	MIN. BEND RADIUS @ 72°F	P.S.I. @ 72°F	VACUUM RATING @ 72°F	WEIGHT LBS/FT.	LIST PRICE \$ PER FT.
VA-12-064	4"	4.69	5.5	30	29.8	1.77	32.30
VA-12-096	6"	6.77	9.8	30	28.0	3.50	62.30
VA-12-128	8"	9.13	15.0	30	27.0	6.10	103.90

STANDARD PACKAGE: 4" to 6" = 50' / 100' 8" = 50'

TEMP. RATING: -40°F to 220°F

UREVAC-1

SERIES: UV
POLYURETHANE LIGHTWEIGHT BLOWER HOSE

FEATURES & BENEFITS

- **Lightweight polyurethane construction**, provides extreme flexibility in sub-zero temperatures...ideal hose for abrasive dust collection and blower applications.
- **Green exposed helix design**, allows for high abrasion-resistance and increased flexibility...slides easily, easier to handle.
- **Smooth bore**, provides unrestricted airflow when laid straight with ends secured.

PART NO.	I.D.	O.D.	PSI 68°F	VACUUM 68°F	MIN.BEND RADIUS @68°F	STD. LENGTH	APPROX WT/LBS	LIST \$ PER FT
UV200	2"	2.39"	15	21	1.5	50'	0.32	9.85
UV250	2 1/2"	2.89"	10	19	2.0	50'	0.40	12.10
UV300	3"	3.46"	10	18	3.0	50'	0.49	13.95
UV400	4"	4.50"	8	13	4.0	50'	0.77	20.30
UV600	6"	6.54"	6	7	6.0	50'	1.18	37.60
UV800	8"	8.59"	4	5	8.0	50'	1.74	60.50

INDUSTRIAL VAC

SERIES: VA-10
S.B.R. TUBE

TEMP. RANGE: -35C to 82C (-31F to 180F)
COVER: Black corrugated abrasion resistant rubber
REINFORCEMENT: Two tensile steel wire helixes and spirals of synthetic yarn
TUBE: Black S.B.R.

PART NUMBER	SIZE I.D.	O.D. (INS.)	TUBE	BEND RADIUS	WEIGHT LBS./FT.	LIST PRICE \$ PER FT.
VA-10-048	3"	3.31	3/64	18"	1.27	17.00
VA-10-064	4"	4.41	3/64	24"	2.05	25.00
VA-10-080	5"	5.39	3/64	30"	2.91	35.25
VA-10-096	6"	6.46	3/64	36"	4.81	44.80
VA-10-128	8"	8.50	5/64	46"	6.71	76.00

STANDARD LENGTHS: 100' (or cut lengths in multiples of 10')

SUPER SUCKER

SERIES: VA-09
HEAVY DUTY INDUSTRIAL VACUUM

A flexible, heavy duty hose designed for the most demanding industrial vacuum applications including, **Catch Basins, Crushed Rock, Iron Ore, Steel Grit**; also recommended for light or diluted chemicals and acids.

COVER: Corrugated, abrasion resistant rubber
REINFORCEMENT: Rayon cords and double helix wire
TUBE: Smooth, Gum Rubber for maximum abrasion resistance

TUBE CODE		A			C		
		1/8" TUBE THICKNESS			1/4" TUBE THICKNESS		
PART NUMBER	SIZE I.D.	BEND RADIUS	WEIGHT LBS/FT.	LIST PRICE \$ PER FT.	BEND RADIUS	WEIGHT LBS/FT.	LIST PRICE \$ PER FT.
VA-09-064-*	4"	24"	3.45	P.O.A.	24"	4.00	P.O.A.
VA-09-080-*	5"	30"	5.30	P.O.A.	30"	6.00	P.O.A.
VA-09-096-*	6"	36"	6.30	P.O.A.	36"	7.50	P.O.A.
VA-09-128-*	8"	40"	8.20	P.O.A.	40"	9.75	P.O.A.
VA-09-160-*	10"	60"	11.45	P.O.A.	60"	13.00	P.O.A.

* (Enter Tube Code - A or C to complete Part No.)

Kanaflex®**180 MV SUCTION HOSE**

The 180 MV is an abrasion-resistant, medium duty suction hose designed for many applications such as grain and roof vacuums. Constructed of SBR rubber with static dissipating carbon black and a rigid PVC helix.

Lightweight...up to 50% lighter than conventional rubber hose, so it's easier to handle and less expensive to transport.

Economical...initial cost is low and Kanaflex is almost maintenance-free, to save you money in the long run.

Flexible...lends itself to working in tight spaces. Easy handling even in large I.D.'s.

Smooth Bore...combined with smooth bending characteristics, makes for the fastest, most efficient transfer of materials.

Static Dissipating...needs no ground wire, no electrical shock (arcing), and no clogging in most applications. (Please consult factory for specific applications.) Sidewall constructed of abrasion resistant static dissipating SBR rubber.

**SPECIFICATION: 180 MV SUCTION HOSE****SERIES: VA-15**

PART NUMBER	SIZE I.D.	SIZE O.D.	PITCH INCHES	MIN. BEND RADIUS 72°F	VACUUM RATING 72°F / Hg.	WEIGHT LBS/FT.	LIST PRICE \$ PER FT.
VA-15-080	5"	5.75"	0.87	5.0"	12.0"	2.00	35.65
VA-15-096	6"	6.73"	0.87	9.0"	12.0"	2.70	48.75

BULKMASTER - Soft Wall**SERIES: MH-05**

COVER: Black abrasion & weather resistant synthetic rubber.

REINFORCEMENT: Spiraled layers of high tensile synthetic cords.

TUBE: Black abrasion resistant natural rubber.

APPLICATIONS: For discharge of dry bulk products including chalk, china clay, limestone, ground silica, fullers earth, dry cement, sodium sulphate, lime & fertilizer.

TEMP. RANGE: -35°C to 82°C (-31°F to 180°F)

PART NUMBER	SIZE I.D.	O.D.	TUBE GAUGE	W.P. PSI	STD. LENGTH	LIST PRICE \$ PER FT.
MH-05-048	3"	3.50"	1/8"	100	100'	15.20
MH-05-064	4"	4.50"	1/8"	100	100'	17.90

UREFLEX-1 DRY MATERIAL HANDLING

SERIES:VA-UF1
POLYURETHANE LINED - ABRASION RESISTANT

FEATURES

Smooth polyurethane Lining: Resistant to abrasion and eliminates material build-up

All Black HMW PVC Convuluted Cover: Formulated with anti-static compound and low-temperature flexibility.

TEMPERATURE RANGE: -40°F to 150°F

GENERAL APPLICATIONS: Industrial vacuum; pneumatic conveying systems for power, pellets, or granular material; roof rock and fly ash collection; abrasive material transfer; sand/shot blast recovery line; grain handling.

(NOT RECOMMENDED FOR LIQUID HANDLING USE)

PART NUMBER	SIZE I.D.	O.D. (INS.)	WORK P.S.I. @ 68°F	VACUUM RATING (INS. Hg)	BEND RADIUS (INS.)	WEIGHT LBS./FT.	STD PKG	LIST PRICE \$ PER FT.
VA-UF1-032	2"	2.40	40	29	3	0.59	100'	10.82
VA-UF1-040	2 1/2"	3.07	40	29	3	0.80	100'	14.07
VA-UF1-048	3"	3.64	40	29	4	1.17	100'	18.32
VA-UF1-056	3-1/2"	4.21	35	28	5	1.48	100'	27.30
VA-UF1-064	4"	4.76	35	29	6	1.94	100'	31.00
VA-UF1-096	6"	6.81	30	28	12	3.50	100'	59.85
VA-UF1-128	8"	9.18	30	28	18	5.90	20/50'	99.75

UREFLEX-2

SERIES: VA-UF2

BLUE - Convuluted Cover.

Same construction as Urevac-1, with thick polyurethane lining for maximum abrasion resistance.

PART NUMBER	SIZE I.D.	O.D. (INS.)	WORK P.S.I. @ 68°F	VACUUM RATING (INS. Hg)	BEND RADIUS (INS.)	WEIGHT LBS./FT.	STD PKG	LIST PRICE \$ PER FT.
VA-UF2-032	2"	2.44	40	29	4	0.65	100'	12.50
VA-UF2-040	2 1/2"	3.12	40	29	5	0.89	100'	15.96
VA-UF2-048	3"	3.70	40	29	6	1.30	100'	21.42
VA-UF2-064	4"	4.82	35	29	10	2.10	100'	36.70
VA-UF2-080	5"	5.81	35	28	15	2.65	100'	56.70
VA-UF2-096	6"	6.87	30	28	18	3.80	20/100'	73.30
VA-UF2-128	8"	9.27	30	28	22	6.50	20/50'	136.25

TIGER CLAMP

(Counter-clockwise spiral only)

FOR USE ON "TIGERFLEX" HOSES



PART NUMBER	SIZE	LIST PRICE \$ EA.
PLCK-200	2"	15.40
PLCK-250	2 1/2"	17.30
PLCK-300	3"	18.20
PLCK-400	4"	21.10
PLCK-500	5"	27.20
PLCK-600	6"	30.15
PLCK-800	8"	45.30
PLCK-1000	10"	75.00
PLCK-1200	12"	115.00

STYLES AND SPECIFICATIONS

RUBBER WIRE DUCT

A 'new' economical Rubber Ducting / Blower Hose with helix wire. Lightweight and flexible with a **temperature rating to 220°F**. Good abrasion resistance. **APPLICATIONS:** Saw dust, wood chips, grass/leaves etc. Also excellent for general factory air ducting and dust control. Also available with scuff guard wearstrip for extra abrasion resistance.

NC-2

The most popular air ducting for dust collection, light material handling and general factory application. Constructed of a double ply of Neoprene impregnated cotton, spiralwound on rust resistant carbon steel wire. Smooth interior surface, with no bare wires.

TEMPERATURE RANGE: -40°F to 250°F.

U-9 SILICONE

Silicone rubber coated fiberglass fabric for higher **temperatures of -75°F to 500°F**. Lightweight. Maximum flexibility.

L-9 SILICONE

Similar to U-9, but having a silicone liner, silicone coated each side for smoother flow.

VAC-U-FLEX H.D. SUPER

Heavy duty vacuum hose with a spring helix wire cover is composed of reinforcing yarns between plies of PVC.

TEMPERATURE RANGE: -20°F to 150°F

CLEAR-TPU

Polyurethane thermoplastic provides an abrasive resistant ducting with a clear construction.

TEMPERATURE RANGE: -40°F to 200°F

FLEXVENT S-LP-10

Cover is flame retardant vinyl-coated woven fiberglass permanently bonded to a PVC coated spring steel wire helix.

TEMPERATURE RANGE: to 250°F

APPLICATIONS: Venting dry cleaning equipment; clean room air intake and exhaust ducts; venting undesirable odours.

NC2
FD-02



Rubber Wire
Duct FD-03



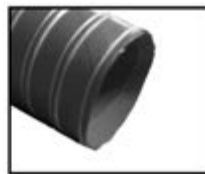
Rubber Wire
Duct Scuff Guard
FD-03



Super Vac-U-Flex
FD-10



SILICONE U-9
FD-04



DUCTING HOSE

SERIES CODE		FD-01	FD-02	FD-03	FD-06	FD-04	FD-05	FD-10	FD-11
PART NUMBER	SIZE I.D.	NC-1 \$ per ft.	NC-2 \$ per ft.	RUBBER WIRE DUCT \$ per ft.	RUBBER WIRE DUCT S.GUARD \$ per ft.	(500° F) SILICONE U-9 \$ per ft.	(500° F) SILICONE L-9 \$ per ft.	VAC-U- FLEX H.D. SUPER \$ per ft.	FLEX- VENT S-LP-10 \$ per ft.
FD--012	3/4"	-	-	-	-	-	15.30	3.70	-
FD--016	1"	-	-	-	-	-	16.90	4.15	-
FD--020	1 1/4"	-	8.80	-	-	-	18.95	3.75	-
FD--024	1 1/2"	-	10.55	-	-	14.60	21.65	4.30	-
FD--028	1 3/4"	-	10.75	-	-	15.65	23.20	5.45	-
FD--032	2"	9.65	11.50	6.70	-	16.70	24.75	5.50	3.50
FD--036	2 1/4"	-	12.05	-	-	18.00	26.75	8.65	-
FD--040	2 1/2"	-	12.55	9.90	10.90	18.80	29.60	7.50	-
FD--048	3"	11.15	13.05	10.50	11.50	21.40	33.55	11.35	3.45
FD--056	3 1/2"	-	14.85	-	-	23.55	37.50	-	-
FD--064	4"	12.35	15.30	10.80	11.90	26.00	41.20	14.30	4.20
FD--072	4 1/2"	-	16.20	-	-	28.40	44.40	-	-
FD--080	5"	13.90	17.20	13.75	15.10	30.40	48.35	-	5.20
FD--088	5 1/2"	-	18.50	-	-	33.90	55.90	-	-
FD--096	6"	15.25	19.05	17.30	19.00	34.50	56.65	-	6.45
FD--112	7"	17.30	21.60	20.40	22.00	40.55	65.20	-	7.95
FD--128	8"	19.65	24.80	22.60	24.95	45.65	73.90	-	9.50
FD--144	9"	-	27.75	-	-	53.95	88.50	-	10.50
FD--160	10"	26.15	30.75	31.50	34.95	56.40	89.40	-	10.90
FD--192	12"	-	37.35	36.80	40.50	65.85	111.00	-	14.00
FD--224	14"	-	43.95	-	-	-	-	-	15.90
FD--256	16"	-	51.15	-	-	-	-	-	-
FD--288	18"	-	58.95	-	-	-	-	-	-
FD--320	20"	-	-	-	-	-	-	-	-
FD--352	22"	-	-	-	-	-	-	-	-
FD--384	24"	-	-	-	-	-	-	-	-

FD--: Enter series code to complete Part Number

STANDARD LENGTHS: NC-2 = 10', 15', 25'
RUBBER WIRE DUCT = 25', 50'
U-9, L-9 = 12'

VAC-U-FLEX SUPER H.D. = 50'
FLEXVENT S-LP-10 = 25'

CONVERSION CHART	
NATIONAL HOSE	FLEXAUST
FLEXVENT S-LP-10	CWS
NC-2, RUBBER WIRE DUCT	CWC
SILICONE L-9	G.S.
U-9	BDS

For descriptions see page 37

SERIES 150CL Kanaflex

Tough enough...and light enough...to take it.

- Clear see-through PVC construction
- Extremely flexible
- Light weight
- No wire
- Smooth bore for increase flow

**Recommended Applications:**

- Leaf collecting - Dust control - Grass clippings - Air conditioning - Light abrasives - Ventilation ducting
- **Economical** initial cost is low, and Kanaflex is almost maintenance-free, to save you money in the long run.
- **Lightweight** easier to handle and less expensive to transport.
- **Clear Side Wall** for monitoring product flow.
- **Weatherproof** Kanaflex is highly resistant to temperature changes & deterioration by sun, ozone or mildew.
- **Extremely Flexible** lends itself to working in tight spaces.
- **Smooth Bore** combined with smooth bending characteristics, makes for the fastest, most efficient transfer of fluids.

PART NUMBER	SIZE I.D.	O.D. (INS.)	PITCH (INS.)	MIN.BEND RADIUS	WEIGHT LBS/FT.	STD LENGTH	LIST PRICE \$ PER FT.
150CL-048	3"	3.37	0.47	3.0"	0.49	100'	6.80
150CL-064	4"	4.43	0.57	4.0"	0.71	100'	9.30
150CL-080	5"	5.59	0.79	5.0"	1.05	100'	13.95
150CL-096	6"	6.53	0.79	6.0"	1.29	50'	17.30
150CL-112	7"	7.39	0.54	7.0"	1.38	50'	20.60
150CL-128	8"	8.55	0.89	8.0"	1.71	50'	23.00

DUCTFLEX-660 YD

Kanaflex
-660 YD

**PREMIUM DUCT CLEANING HOSE**

CONSTRUCTION: EPDM Rubber with yellow polyethylene outer helix - scuff guard (no wire).

APPLICATION: Commercial and Residential Duct Cleaning. Lawn and Leaf collection.

TEMP. RANGE: -40°F to 158°F

UNIQUE FEATURES:

- Lightweight
- Extremely flexible
- Abrasion resistant
- Smooth bore for maximum flow rate
- Scuff guard for easy drag
- Long lengths

PART NUMBER	SIZE I.D.	O.D. (INS.)	WEIGHT LBS / FT.	STANDARD PACKAGE	LIST PRICE \$ PER FT.
NFDC-064	4"	4.57	0.79	25/50'	14.60
NFDC-080	5"	5.53	0.83	25/50'	18.60
NFDC-096	6"	6.61	1.26	25/50'	22.95
NFDC-128	8"	8.77	1.81	25/50'	33.30
NFDC-160	10"	11.15	2.40	25/50'	40.60

SPIRATUBE

TD-S and TD-HS

SERIES FD-13 **TD-S:** Single ply vinyl-coated fabric with orange vinyl scuff-strip, spring steel wire helix and smooth bore. Meets UL 940 - V Flammability rating.

SERIES FD-15 **TD-HS:** Same construction as TD-S above, except heavy duty, two-ply construction for better internal and external abrasion resistance. Meets UL 940 - V Flammability rating.

APPLICATIONS: Excellent choice for conveying lightweight products, such as wood chips and fibers. Also recommended for car wash blowers and duct cleaning.

TEMP. RANGE: -10°C to 94°C (15°F to 200°F)

PART NUMBER	SIZE I.D.	STD PKG.	WEIGHT TD-S	LBS / FT. TD-HS	BEND RADIUS	SERIES	FD-13	FD-15
							LIST PRICE \$ PER FT. TD-S	LIST PRICE \$ PER FT. TD-HS
* - * - 048	3"	25'	0.53	0.59	1.5"		12.65	14.95
* - * - 064	4"	25'	0.64	0.81	2.0"		14.30	17.80
* - * - 080	5"	25'	0.68	0.84	2.5"		16.00	19.95
* - * - 096	6"	25'	0.98	1.16	3.0"		17.55	21.50
* - * - 112	7"	25'	1.24	1.35	3.0"		19.10	24.80
* - * - 128	8"	25'	1.30	1.54	4.0"		21.50	28.40
* - * - 160	10"	25'	1.60	2.03	5.0"		27.50	34.00
* - * - 192	12"	25'	2.00	2.40	6.0"		33.15	41.00

* - * -: Enter Series code, to complete Part No.

180 BL**Kanaflex**

SERIES: VA-13
BLOWER / DUCTING HOSE

A premium quality, low temperature, abrasive resistant blower or ducting hose. Designed for handling any lightweight material that can be moved by air pressure, ie: **Rockwood, Fiberglass**, and recommended for dust control involved with **Woodworking, Grain, Dry Cement**, etc. Excellent for **Air-Condition** and **Ventilation Ducting**. Its T-Polymer compound also dissipates static electricity.

TEMP. RANGE: -40°F to 158°F

PART NUMBER	SIZE I.D.	O.D. (INS.)	BEND RADIUS @ 72°F	WEIGHT LBS / FT.	LIST PRICE \$ PER FT.
VA-13-040	2 1/2"	2.87	2.5	0.62	10.40
VA-13-048	3"	3.40	3.0	0.80	13.40
VA-13-064	4"	4.44	4.0	1.40	23.30
VA-13-080	5"	5.57	5.0	1.68	31.25
VA-13-096	6"	6.67	9.0	2.40	40.10
VA-13-128	8"	8.82	12.0	3.96	66.40

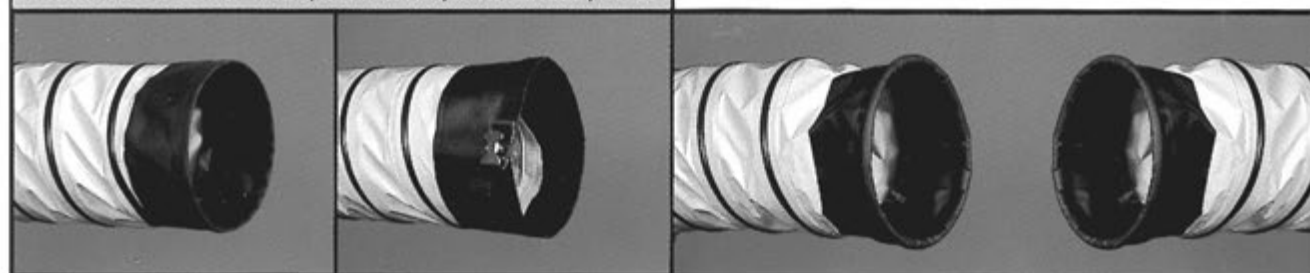
Blower Hose



- Temperature Range:** -20°F to 180°F (intermittent to 225°F) (PV) -40°F to 250°F (PN)
- Construction:** One-ply polyester vinyl laminate expanded pitch with encapsulated wire helix and extruded polymer wearstrip (PV) or one-ply polyester neoprene coated (PN)
- Standard Colors:** Yellow with black wearstrip
- Standard Lengths:** 25'
- Size Range:** 4" to 24"
- Features:**
- Light weight (PV) • Heaviest duty of Max-Flyte Series (PN)
 - Highly compressible for positive pressure movement for air, dust and fumes at lower temperature ranges (PV)
 - Flame retardant to UL94V-0 rating
 - Non-standard sizes and lengths available, please consult factory

SIZE	6" x 25'	8" x 25'	12"x 25'	18"x 25'
PART NO.	1PVEPW-6	1PVEPW-8	1PVEPW-12	1PVEPW-18
LIST PRICE	\$346.00	\$384.00	\$615.00	\$1011.00

End Finishes for 1PV-EP-HM, 1PN-EP-HM, Therma-Cool, TP-W



Sewn Cuffs: Two-pilies of polyester fabric sewn on to the ends.

Standard Belted Cuffs: For easy attachment to portable blowers. The belt is sewn around the cuff to insure quick and secure connection to most portable blowers.

Ring Connectors: Sewn into the ends of the hose to keep dust end open. Ring connectors interlock for quick connection of utility blower hoses.

PORTABLE HEATER DUCTING - USED MAINLY ON DECLOET HEATERS

PART#: FSP-V-24-25



Flexaus! Springflex FSP-V

Application: For use in industrial grade air movement applications

Features: Lightweight construction.
Highly compressible.
Low friction loss.
External abrasion wearstrip.
UL 94V-0 Listed.
Clampless connector-see insert.

ID: 24"

LENGTH: 25'

LIST PRICE: \$1167.00

Other ID's and lengths available

CANVAS HEATER DUCTING

PART#: CANDUCT-12-12



Application: With cold weather this dust delivers indirect fired preheated air from ground heating equipment to various temporary and permanent structures.

Features: 100% fire resistant material. Fibreglass liner provides heat protection from the heater unit. Tie straps built in to help compress for storage and transporting.

ID: 12"

LENGTH: 12'

LIST PRICE: \$279.00

Also available in 6" and 16" ID

PAPERMILL WASHDOWN HOSE WITH BUILT ON NOZZLE

This hose is manufactured in 50' lengths with an intergral built-on tapered **Rubber Nozzle**. Suitable for hot or cold water washdown service in paper mills etc.

COVER: Green abrasion resistant synthetic rubber
REINFORCEMENT: Multiple spirals of moisture resistant synthetic yarn
TUBE: Black synthetic heat resistant rubber

PART NUMBER	SIZE I.D.	O.D. (INS.)	W.P. P.S.I.	WEIGHT LBS / 100'	STANDARD LENGTH	LIST PRICE \$ PER 50' c/w NOZZLE
XST02-008	1/2"	0.90	250	27	50' c/w Nozzle	P.O.A.
XST02-012	3/4"	1.25	250	44	50' c/w Nozzle	362.00
XST02-016	1"	1.50	250	60	50' c/w Nozzle	416.50
XST02-020	1 1/4"	1.75	250	80	50' c/w Nozzle	510.00
XST02-024	1 1/2"	2.10	250	86	50' c/w Nozzle	635.00

SATURN - FIRE HOSE

SINGLE JACKET RUBBER LINED

Meets or exceeds performance requirements of NFPA 1961, UL and FM.

- Approved for indoor and outdoor use.
- All synthetic, rot and mildew proof.
- Resistant to aging, ozone, UV-rays and extreme temperatures.
- Extra heavy jacket for abrasion resistance.
- Smooth rubber lining to reduce friction loss.
- Excellent adhesion to the lining after years of use.



PART NUMBER	SIZE I.D.	WORKING PRESSURE	RATING PSI TEST	WEIGHT LBS / 100'	STANDARD LENGTH	LIST PRICE \$ / FT.
FH-024	1 1/2"	250	500	18	100'	P.O.A.
FH-040	2 1/2"	250	500	31	100'	P.O.A.

FIRE HOSE ASSEMBLIES

PART NUMBER	SIZE X LENGTH	DESCRIPTION	LIST PRICE \$ / ASS'Y
XHF-024-50	1 1/2" X 50'	SATURN HOSE C /W BRASS NPSH FITINGS	327.00
XHF-040-50	2 1/2" X 50'	SATURN HOSE C/W BRASS OR PYROLITE CSA	540.00

* To order 2 1/2" Assemblies, customer must declare - City and Province where hose will be used. The CSA hydrant thread differs from Province to Province.

NOZZLES, HYDRANT ADAPTORS, HYDRANT GATE VALVES - SEE FITTINGS CATALOGUE

HOT WATER WASH-UP

SERIES: ST-01
STANDARD TYPE

A popular low pressure hose for wash-down and swilling jobs in creameries, packing houses and food processing plants. Its neat appearance and non-marking white cover makes it the ideal hose for use in all places where cleanliness and hygiene are essential. Not suitable for steam.

COVER: White, smooth, oil and grease resistant
REINFORCEMENT: Layers of top quality tire cord

TUBE: Oil and heat resistant rubber
TEMP. RANGE: (93°C) 200°F @ 50 PSI

PART NUMBER	SIZE I.D.	CORDS	O.D. (INS.)	WEIGHT LBS / 100'	LIST PRICE \$ PER FT.
ST-01-008	1/2"	2	29/32	31	2.95
ST-01-012	3/4"	2	1 1/4	51	3.99

STANDARD LENGTH: 100'

NOTE: Detachable tapered nozzle - P.O.A.

SUPER HOT WATER WASH-UP

SERIES: ST-03
PREMIUM QUALITY

COVER: White synthetic rubber. Heat and abrasion resistant
REINFORCEMENT: Two layers of synthetic yarns. Fungus & mould resistant
TUBE: White heat resistant synthetic rubber
TEMP. RANGE: (93°C) 200°F @ 50 PSI
APPLICATIONS: Same as above, but use of premium materials gives longer service life under high temperature use. Not suitable for steam service. Mandrel built.

PART NUMBER	SIZE I.D.	O.D. (INS.)	W.P. P.S.I.	WEIGHT LBS / 100'	LIST PRICE \$ PER FT.
ST-03-008	1/2"	0.94	150	33	5.50
ST-03-012	3/4"	1.23	150	50	6.50
ST-03-016	1"	1.52	150	70	8.50

STANDARD LENGTH: 25', 50', 75, 100'

TEXTILE STEAM - 100

SERIES: ST-06

COVER: Red, heat, weather & oil resistant EPDM
REINFORCEMENT: Two layers of heat resistant synthetic yarns
TUBE: Black heat resistant EPDM synthetic rubber
APPLICATIONS: For use with saturated steam up to 100 P.S.I. +170C (338F). For thawing, washdown at at papermills & food plants.

PART NUMBER	SIZE I.D.	O.D. (INS.)	W.P.	WEIGHT LBS / 100 FT.	LIST PRICE \$ PER FT.
ST-06-008	1/2"	1.00"	100	26	4.95
ST-06-012	3/4"	1.25"	100	38	5.98
ST-06-016	1"	1.50"	100	48	7.75

STEAM KING 250

SERIES: ST-09
REFINERY STEAM HOSE

An extremely rugged yet highly flexible mandrel built hose, for use with saturated steam at pressures up to 250 PSI and temperatures to 235°C / 455°F.

COVER: Red heat and abrasion resistant E.P.D.M. rubber
REINFORCEMENT: Two high tensile steel wire braids
TUBE: Black E.P.D.M. rubber, specially compounded to resist heat aging

PART NUMBER	SIZE	STEEL BRAIDS	O.D. (INS.)	W.P. STEAM P.S.I.	WEIGHT LBS / 100'	LIST PRICE \$ PER FT.
ST-09-008	1/2"	2	1.02	250/455°F	45	5.60
ST-09-012	3/4"	2	1.27	250/455°F	59	7.10
ST-09-016	1"	2	1.51	250/455°F	73	8.40
ST-09-020	1 1/4"	2	1.89	250/455°F	105	11.30
ST-09-024	1 1/2"	2	2.18	250/455°F	124	13.60
ST-09-032	2"	2	2.66	250/455°F	164	17.50

STANDARD LENGTH: 50', 100'

Temperatures of Saturated Steam at Various Pressures

LBS.	DEG. F.
10	240
20	260
30	275
40	288
50	298
60	307
70	316
80	324
90	331
100	338
125	353
150	366
200	388
225	398
250	406

CAUTION:

Style ground joint fittings are recommended for all steam hose applications (see Pg 8 from Fitting Catalogue)

STANDARD FLEXIBLE CONNECTORS

TYPE	SERIES
#SS-F	FC-03

Designed to provide isolation of the equipment from line stress and permit limited offset which may be created by motion or pipe line expansion.

TYPE	SERIES
#SS-MN	FC-01

APPLICATIONS:

Riser connections pumps, compressors, wall fin connectors, expansion joints and cooling towers.

TYPE: SS-MN
SS-F

Stainless Steel hose and braid. Schedule 40 steel pipe nipples.
Stainless Steel hose and braid. Rigid 150 # ASA Flanges.
(Other fittings available on application.)

PART NUMBER	SERIES TYPE	FC-01 SS-MN	FC-03 SS-F	MAX. WRK. PRESSURE @ 70°F	LIST PRICE \$ / EA.
	PIPE-SIZE	OVERALL LENGTH	OVERALL LENGTH		
* - * - 08	1/2"	12"	-	800	68.34
* - * - 12	3/4"	12"	-	800	82.10
* - * - 16	1"	12"	-	800	92.34
* - * - 20	1 1/4"	12"	-	530	113.94
* - * - 24	1 1/2"	12"	-	530	125.40
* - * - 32	2"	12"	-	450	167.00
* - * - 40	2 1/2"	20"	26"	450	P.O.A.
* - * - 48	3"	22"	22"	420	P.O.A.
* - * - 56	3 1/2"	24"	24"	240	P.O.A.
* - * - 64	4"	27"	27"	185	P.O.A.

Enter **SERIES CODE** to complete part no.

NOTES:

- 1) Larger sizes available.
- 2) For vibration, install straight without torque, anchor piping immediately beyond connector.
- 3) Install flexible connectors at 90° to the direction of motion.
- 4) Ratings are based on constant pressures. Should surge or shock pressures exist, consult our office.
- 5) Test pressure not to exceed 1 1/2 times operating pressure.

BRONZE HOSE AND BRAID TYPES - Available on request.

RUBBER EXPANSION JOINTS - Available on request.

AGRICULTURAL FUEL

SERIES: PE-01
FARM TANK BARREL PUMP HOSE

A premium quality hose specifically designed for handling gas and oil for farm use.

TUBE: Black Buna N
REINFORCEMENT: One braid of polyester fabric
COVER: Black neoprene

Without static wire - for hand pumps and gravity flow.

PART NUMBER	SIZE I.D.	O.D.	P.S.I.	WEIGHT LBS / 100'	LIST PRICE \$ PER FT.
PE-01-012	3/4"	1.12	75	29.0	3.30
PE-01-016	1"	1.37	75	46.0	4.95
PE-01-020	1 1/4"	1.62	75	68.0	P.O.A.

GAS PUMP - 250 (UL Approved)

SERIES: PE-03
HARD WALL CRUSH-RESISTANT

Recommended for dispensing gasoline from retractable or cable type pumps requiring a small O.D., heavy duty, hard wall hose.

TUBE: Buna N
REINFORCEMENT: High tensile steel wire
COVER: Black smooth neoprene

PART NUMBER	SIZE	BRAIDS	APPROX. O.D.	APPROX. WT. C FT.	P.S.I.	LIST PRICE \$ PER FT.
PEI-03-012	3/4"	2	1.12	34.0	250	6.20
PEI-03-016	1"	2	1.38	41.0	250	8.50

STANDARD PACKAGE: Reels (Random lengths) 300'/500' approx.

GAS PUMP ASSEMBLIES

SERIES: PE-04

c/w Scovill Male Swivel and Male Permanent Couplings attached.

PART NUMBER	SIZE LENGTH	LIST PRICE \$ PER ASS'Y	PART NUMBER	SIZE LENGTH	LIST PRICE \$ PER ASS'Y
XPE04-01212	3/4" X 12'	99.50	XPE04-01612	1" X 12'	179.65
XPE04-01213	3/4" X 13'	104.00	XPE04-01613	1" X 13'	188.80
XPE04-01214	3/4" X 14'	110.00	XPE04-01614	1" X 14'	204.00
XPE04-01215	3/4" X 15'	115.00	XPE04-01615	1" X 15'	207.00
XPE04-01217	3/4" X 17'	126.00	XPE04-01617	1" X 17'	225.40

FUEL OIL DELIVERY

SERIES: PE-05

Designed for use in home delivery for fuel oil, and non-leaded gasoline, diesel and tractor fuels. Low Low shrinkage under pressure and smooth cover for easy pull.

COVER: Non-marking NBR / PVC

TUBE: Black

TEMP. RANGE: -20°F to 150°F

PART NUMBER	SIZE I.D.	O.D. (INS.)	BRAIDS	W.P. P.S.I.	WEIGHT LBS / 100'	STD PACKAGE	LIST PRICE \$ PER FT.
PE-05-020	1 1/4"	1.75	1	200	70	100/150'	P.O.A.
PE-05-022	1 3/8"	1.88	2	200	76	100/150'	P.O.A.
PE-05-024	1 1/2"	2.00	2	200	82	100/150'	P.O.A.

CUT LENGTHS: Add 5%

PART NUMBER	SIZE I.D.	LENGTH	LIST PRICE \$ PER ASS'Y
XPE05-022150	1 3/8"	x 150' Fuel Oil Delivery Hose c/w Brass Male/Female	P.O.A.

GAS / OIL # 14/19

SERIES: PE-09
HEAVY

DUTY DISCHARGE HOSE

A robust mandrel made hose suitable for conveying a wide range of petroleum products and some chemical solutions. Also suitable for use as an air hose where air supply is heavily laden with oil.

COVER: Abrasion resistant neoprene

TUBE: Smooth black neoprene synthetic rubber

PART NUMBER	SIZE I.D.	O.D. (INS.)	WORKING P.S.I.	WEIGHT LBS / FT.	LIST PRICE \$ PER FT.
PE-09-012	3/4"	1.10	150	30	6.50
PE-09-016	1"	1.39	150	44	7.50
PE-09-020	1 1/4"	1.65	150	53	9.50
PE-09-024	1 1/2"	1.94	150	70	10.60
PE-09-032	2"	2.44	150	90	13.90
PE-09-040	2 1/2"	2.99	150	122	19.00
PE-09-048	3"	3.49	150	145	21.80
PE-09-064	4"	4.49	150	189	29.40
PE-09-096	6"	6.69	150	480	P.O.A.
PE-09-128	8"	8.47	150	740	P.O.A.

STANDARD LENGTHS: 1" to 1 1/2" - 150'

2" to 6" - 50'

8" - 100'

PETRODEC

SERIES: PE-11
TANK TRUCK HOSE

Transfer hose designed for Petroleum products with an aromatic content up to 50%.

COVER: Smooth black abrasion, gasoline and oil resistant synthetic rubber - with BLUE STRIPE
REINFORCEMENT: High tensile Helix Wire embedded between layers of textile cords
TUBE: Nitrile blend to 50% aromatic content
TEMP. RANGE: -40°C to 100°C (-40°F to 212°F)

PART NUMBER	SIZE I.D.	O.D. (INS.)	W.P. P.S.I.	MIN. BEND RADIUS	WEIGHT LBS / 100'	LIST PRICE \$ PER FT.
PE-11-012	3/4"	1.20	150	3"	0.40	5.40
PE-11-016	1"	1.45	150	6"	0.60	5.99
PE-11-020	1 1/4"	1.70	150	8"	0.72	6.50
PE-11-024	1 1/2"	1.94	150	9"	0.88	8.80
PE-11-032	2"	2.50	150	10"	1.15	10.40
PE-11-040	2 1/2"	3.10	150	17"	1.40	16.30
PE-11-048	3"	3.50	150	19"	1.92	16.50
PE-11-064	4"	4.67	150	24"	3.40	23.80

STANDARD LENGTHS: 100'

CANADEC

SERIES: PE-15
CORRUGATED DROP HOSE

Designed for constant use in the transfer of Petroleum Products, Mild Solvents and Chemicals. Full suction lightweight.

COVER: Corrugated. Oil and abrasion resistant neoprene
REINFORCEMENT: Spiral cords with double helix wire (for maximum flexibility).
TUBE: Black smooth nitrile rubber for service with an aromatic hydrocarbon content to 40%
TEMP. RANGE: -40°F to 200°F

PART NUMBER	SIZE I.D.	O.D. (INS.)	W.P. P.S.I.	BENDING RADIUS	WEIGHT LBS / 100'	LIST PRICE \$ PER FT.
PE-15-032	2"	2.44	75	8"	1.23	19.05
PE-15-048	3"	3.50	75	12"	1.92	27.40
PE-15-064	4"	4.50	75	18"	2.88	39.95

STANDARD LENGTHS: 100'

Kanaflex® ST 120 LT TANK TRUCK HOSE

SERIES: PE-19

APPLICATION:

Gasoline tank truck gravity drop hose for such items as naphtha, kerosene, light and heavy oil, and gasohol.

CONSTRUCTION:

Nitrile rubber, rigid PVC helix, synthetic braided, smooth bore, corrugated O.D.

FEATURES:

- Lightweight and flexible
- External helix provides for easy drag
- Rated for up to 40% aromatic content
- Static grounding wire



PART NUMBER	SIZE I.D.	O.D. (INS.)	PITCH (INS.)	MIN. BEND RADIUS @72°F	W.P. 72°F P.S.I.	BURSTING PRESSURE 72°F P.S.I.	WEIGHT LBS / FT.	LIST PRICE \$ PER FT.
PE-19-032	2"	2.68	0.39	5.0"	65	260	1.13	23.80
PE-19-048	3"	3.62	0.59	6.0"	65	260	1.37	30.50
PE-19-064	4"	4.80	0.65	8.0"	65	260	2.16	42.00

Standard Lengths: 60' & 100'

BANDING SLEEVES

PART NUMBER	SIZE	LIST PRICE \$ PER FT.
PE-19-048S	3"	15.75
PE-19-064S	4"	19.98



* Recommended Length: 6 Inches Per End

HOT TAR AND ASPHALT

SERIES: PE-17
SUCTION / DISCHARGE

RECOMMENDED FOR: Hot tar and asphalt tank truck delivery and barge cleaning
COVER: Neoprene
REINFORCEMENT: Synthetic high tensile textile, with wire helix
TUBE: Nitrile
TEMP. RANGE: to 177°C (350°F)

PART NUMBER	SIZE I.D.	O.D. (INS.)	W.P. P.S.I.	WEIGHT LBS / FT.	STD. PKG.	LIST PRICE \$ PER FT.
PE-17-016	1"	1.63	200	92	100'	16.40
PE-17-024	1 1/2"	2.15	200	134	100'	19.20
PE-17-032	2"	2.65	200	170	100'	28.30
PE-17-048	3"	3.70	200	265	100'	42.80
PE-17-064	4"	4.72	200	347	100'	57.65

STANDARD LENGTHS: 100'

ALLCHEM
(Smooth Cover)

SERIES: CH-01

CHEMICAL SUCTION & DISCHARGE

A light weight flexible chemical transfer hose designed for almost every common industrial chemical used in industry today. This UHMW tube will handle 95% of Acids, Chemicals & Solvents



Tube: Clear Ultra High Molecular Weight Polyethylene

Reinforcement: Multiple plies of high tensile textile with dual helix

Cover: Smooth Green abrasion resistant EPDM rubber

Temp Range: up to -40F to +250F

PART NUMBER	SIZE I.D.	SIZE O.D. (INS)	W.P. (Psi)	MIN. BEND RADIUS (INS)	WEIGHT LBS/FT	LIST PRICE \$ PER FT.
CH-01-012	3/4"	1.19	200	3.5"	0.58	P.O.A
CH-01-016	1"	1.47	200	4"	0.63	\$11.70
CH-01-020	1-1/4"	1.80	200	4.5"	0.80	P.O.A
CH-01-024	1-1/2"	2.08	200	5"	1.06	\$13.95
CH-01-032	2"	2.58	200	6"	1.33	\$17.50
CH-01-040	2-1/2"	3.03	200	8"	1.78	\$20.00
CH-01-048	3"	3.61	200	9"	2.12	\$25.50
CH-01-064	4"	4.61	200	10"	2.83	\$40.90

STANDARD LENGTHS = 100'

MASTER-CHEM
(Corrugated Cover)

SERIES: CH-02

CHEMICAL SUCTION & DISCHARGE

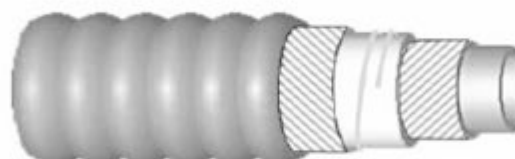
Same as above but Extra Flexible!

Tube: Clear Ultra High Molecular Weight Polyethylene

Reinforcement: Multiple plies of high tensile textile with dual helix

Cover: Corrugated Green abrasion resistant EPDM rubber

Temp Range: up to -30F to +250F



PART NUMBER	SIZE I.D.	SIZE O.D. (INS)	W.P. (Psi)	MIN. BEND RADIUS (INS)	WEIGHT LBS/FT	LIST PRICE \$ PER FT.
CH-02-024	1-1/2"	2.13	200	4"	1.06	\$14.95
CH-02-032	2"	2.64	200	6"	1.33	\$18.95
CH-02-040	2-1/2"	3.13	200	7"	1.78	\$22.00
CH-02-048	3"	3.73	200	9"	2.12	\$27.95

STANDARD LENGTHS = 100'

SEE PAGE 64 FOR CHEMICAL CHART

KEM-FLEX Composite Hoses

SERIES: Uni-Oil GG & Uni-Chem PG
STANDARD PETROLEUM & CHEMICAL TRANSFER

Our all NEW! Line of flexible and lightweight liquid transfer and bottom loading composite hoses offer optimum chemical resistance to aggressive media. Our products are available in a complete range of advanced films and fabrics to meet all hose requirements. Kem-Flex composite hoses are available with externally crimped dry seal fittings from 1" to 8" diameter.

Tube (Liquid Barrier): Seamless polypropylene layers & helix wire

Reinforcement: High strength polyethylene woven fabric

Cover: Pvc Impregnated Nylon

Temp Range: up to -40F to +140F



Uni-Oil GG PETROLEUM SERVICE

G = Galvanized Carbon Steel Inner Helix

G = Galvanized Carbon Steel Outer Helix

PART NUMBER	SIZE I.D.	SIZE O.D. (INS)	Max WP (Psi)	MIN. BEND RADIUS (INS)	WEIGHT LBS/FT	LIST PRICE \$ PER FT.
GGP-016	1"	1.50	200	4.1	0.60	\$16.85
GGP-024	1-1/2"	2.00	200	5.1	0.80	\$18.25
GGP-032	2"	2.50	200	6.1	1.60	\$21.95
GGP-048	3"	3.50	200	8.2	2.40	\$36.50
GGP-064	4"	4.50	200	14.0	3.20	\$48.20

MAX LENGTH = 60'



Uni-Chem PG CHEMICAL SERVICE

P = Polypropylene Coated Steel Inner Helix

G = Galvanized Carbon Steel Outer Helix

PART NUMBER	SIZE I.D.	SIZE O.D. (INS)	Max WP (Psi)	MIN. BEND RADIUS (INS)	WEIGHT LBS/FT	LIST PRICE \$ PER FT.
PGP-016	1"	1.50	250	4.0	0.58	\$17.35
PGP-024	1-1/2"	1.90	250	5.0	0.79	\$19.25
PGP-032	2"	2.40	250	6.0	1.18	\$22.95
PGP-048	3"	3.40	250	7.9	1.88	\$37.20
PGP-064	4"	4.40	250	11.9	2.68	\$49.95

MAX LENGTH = 60'



KEM-FLEX HOSE FITTINGS

PART NUMBER	THREAD SIZE	DESCRIPTION	LIST PER Crimp End
MCS-016	1"	PLATED STEEL MALE NPT - CRIMP FERRULE & SEAL	\$85.40
MCS-024	1-1/2"	PLATED STEEL MALE NPT - CRIMP FERRULE & SEAL	\$94.60
MCS-032	2"	PLATED STEEL MALE NPT - CRIMP FERRULE & SEAL	\$99.90
MCS-048	3"	PLATED STEEL MALE NPT - CRIMP FERRULE & SEAL	\$206.50
MCS-064	4"	PLATED STEEL MALE NPT - CRIMP FERRULE & SEAL	\$254.50
MSS-016	1"	316 ST/ST STEEL MALE NPT - CRIMP FERRULE & SEAL	\$143.00
MSS-024	1-1/2"	316 ST/ST STEEL MALE NPT - CRIMP FERRULE & SEAL	\$162.00
MSS-032	2"	316 ST/ST STEEL MALE NPT - CRIMP FERRULE & SEAL	\$199.50
MSS-048	3"	316 ST/ST STEEL MALE NPT - CRIMP FERRULE & SEAL	\$268.00
MSS-064	4"	316 ST/ST STEEL MALE NPT - CRIMP FERRULE & SEAL	\$381.00

SEE PAGE 64 FOR CHEMICAL CHART

"ALL CHEMICAL" is suitable for use with the chemicals listed below, and water solutions of these chemicals, at temperatures up to a maximum of 50°C and 100% concentration, unless otherwise specified. Exclusion from this list does not necessarily denote unsuitability.

Acetaldehyde	Chlorine Water 3%	Hydrogen Peroxide 30%	Potassium Cyanide
Acetic Acid 60%	Chloroacetic Acid*	Hydrogen Sulphide	Potassium Dichromate*
Acetone	Chloroacetone	Hypo	Potassium Hydroxide
Acetophenone	Chlorobromomethane*		Potassium Nitrate
Acetylene	Chromic Acid 30%	Iodine Solution	Potassium Permanganate*
Acrylonitrile	Chromic Acid Above 30% (Intermittent Use)	Isoamyl Alcohol	Potassium Salts
Allyl Alcohol*	Citric Acid	Isobutyl Acetate	Potassium Suphate
Aluminium Salts - Chloride	ChloroxCoconut Oil	Isobutyl Alcohol	Potassium Sulphite
Fluoride	Cobalt Nickel Plating Soln.*	Isobutylene*	Producer Gas
Hydroxide	Cod Liver Oil	Isopropanol	Propane Gas
Sulphate	Coke Oven Gas	Isopropyl Alcohol	Propane Liquid
Aluminium	Copper Arsenate	Iso Octane	Propyl Acetate
Ammonium - Bisulphate 50%	Copper Chloride	Isopropyl Acetate	Propyl Alcohol
Ammonium Chloride	Copper Cyanide		Propylene Dichloride*
Ammonium Hydroxide	Copper Nitrate	Jet Fuels	Propylene Glycol
Ammonium Metaphosphate	Copper Sulphate	Lactic Acid 20°C	Pyridine*
Ammonium Nitrate	Corn Oil	Lactol*	Pyrolineous Acid
Ammonium Persulphate*	Cottonseed Oil	Lard	
Ammonium Phos., Monobasic	Creosote Coal Tar*	Lead Acetate	Sea Water (Salt Water)
Ammonium Phosphate, Dibasic	Creosote Wood	Lead Arsenate	Sewage
Ammonium Phosphate, Tribasic	Cresylic Acid* Cryolite 10%	Lead Salts	Silicone Emulsions
Ammonium Sulphate	Cyclohexane*	Lead Sulphate	Silver Salts
Ammonium Thiocyanate	Cyclohexanone*	Linseed Oil	Soda Ash, Sodium Carbonate
Amyl Alcohol	Cyclohexanol	Lithium Hydroxide	Sodium Acetate
Aniline	Cymene	Lithium Salts	Sodium Bicarbonate
Aniline Dyes		Magnesium Carbonate	Sodium Bisulphate
Animal Fats		Magnesium Chloride	Sodium Carbonate
Antifreeze	DDT & Kerosene	Magnesium Hydroxide	Sodium Chlorate*
Antimony Chloride 50%	Decalin*	Magnesium Nitrate	Sodium Chloride
Arsenic Acid	Dibutyl Ether	Magnesium Salts	Sodium Cyanide
Astm Oil No 1	Dibutyl Phthalate	Magnesium Sulphate	Sodium Fluoride
Astm Oil No 2	Dibutyl Sebacate	Mangarese Salts	Sodium Dichromate*
Astm Oil No 3*	Diesel Oil*	Mangarese Sulphate	Sodium Ethoxide
	Diethylamine	Mercuric Chloride	Sodium Hydroxide (Conc.)
Barium Salts - Carbonate	Diethylene Glycol	Mercuric Cyanide	Sodium Hypochlorite*
Chloride	Diethyl Ketone*	Mercurous Nitrate	Sodium Metaphosphate
Hydroxide	Diethyl Phthalate	Mercury Salts	Sodium Nitrate
Sulphate	Diethyl Sebacate	Methanol	Sodium Nitrite
Sulphide	Dimethyl Aniline*	Methyl Acetate	Sodium Perborate*
Beet Sugar Liquors	Dimethyl Ether	Methyl Acetoacetate	Sodium Phosphate, Monobasic
Benzaldehyde	Dimethyl Formamide*	Methyl Alcohol	Sodium Phosphate, Dibasic
Benzene (Conditional at 20°C)	Dimethyl Phthalate	Methylamine	Sodium Phosphate, Tribasic
Benzene Sulphonic Acid	Dioxane	Methyl Chloride*	Sodium Sulphate
Bismuth Carbonate		Methyl Ethyl Ketone*	Sodium Sulphide
Black Sulphate Liquor	Ethanolamine	Methyl Isobutyl Ketone	Sodium Silicate
Blast Furnace Gas*	Ethyl Acetate	Methyl Isopropyl Ketone*	Sodium Sulphite
Borax	Ethyl Alcohol	Methyl Methacrylate 20°C	Sodium Thiosulphate
Bordeaux Mixture	Ethyl Amine		Soybean Oil
Boric Acid	Ethyl Butyrate	Natural Gas, Dry	Stannic Chloride
Brake Fluid	Ethyl Cellulose	Natural Gas, Wet	Stannous Chloride
Brine Saturated with Chlorine*	Ethyl Iodide*	Nickel Chloride	Stearic Acid*
Butane Gas	Ethyl Propyl Ether*	Nickel Nitrate	Sugar (Liquid)
Butane Liquid	Ethylene Bromide*	Nickel Plating Solution*	Sulphur Chloride*
Butanol (Butyl Alcohol)	Ethylene Chloride*	Nickel Salts	Sulphurous Acid 75%
Butyl Acetate		Nickel Sulphate	Sulphur Dioxide (Dry)*
Butyl Cellosolve	Feran*	Nitric Acid 60% 20°C	Sulphur Trioxide (Dry)*
Butyl Ether*	Ferric Chloride	Nitrobenzene*	Sulphuric Acid 75%
Butyl Stearate* (Satisf. @ 20°C)	Ferric & Ferrous Salts	Nitropropane	
	Fluoboric Acid 65%	Nitrous Acid	
Calcium & Cadmium Salts	Fluosilicic Acid 50%		Tallow
Bisulphate	Formaldehyde, Aqueous 37%	Octane	Tannic Acid
Carbonate	Formic Acid	Oleic Acid*	Tartaric Acid
Chlorate	Furfural	Oxalic Acid	Tetrachlorethane*
Chloride		Oxygen	Toluene (Toluol)*
Hydroxide	Glucose		Triethanellamine Trichlorethylene
Hypochlorite*	Glue	Palm Oil	Tung Oil
Sulphate	Glycerine (Glycerol)	Palmitic Acid*	
Cane Sugar Liquors	Green Sulphate Liquor	Pentane Perchlorethylene	Urine
Carbolic Acid		Petrolatum	Urea
Carbon Dioxide Dry	Hexaldehyde	Phenol*	
Carbon Dioxide Wet	Hexane	Phosphoric Acid 85%*	Vegetable Oils
Carbon Monoxide	Hydraulic Oil	Picric Acid - Water Soln.*	Vinyl Chloride (Monomer)
Castor Oil	Hydrobromic Acid 40%	Potassium Bicarbonate	
Cellosolve Acetate	Hydrochloric Acid (Conc.) 37%	Potassium Borate	Xylene (Xylol)*
China Wood Oil (Conditional)	Hydrocyanic Acid 20%	Potassium Bromide	
Chlorine Gas - Dry*	Hydrofluoric Acid 65%	Potassium Carbonate	Zinc Chloride
Chlorine Gas - Wet*	Hydrofluosilicic Acid	Potassium Chlorate*	Zinc Salts
	Hydrogen Gas		Zinc Sulphate

* Conditional

All chemical is not suitable for handling food quality products nor is it recommended for use with the following chemicals.

Many of the chemicals listed above would not normally be pumped at the maximum recommended temperatures. For example, solvents are rarely pumped at above ambient temperatures.

Chloroform	Fuming Sulphuric Acid
Chlorosulphonic Acid	Molten Picric Acid
Dichlorobenzene	Molten Sulphur
Fuming Nitric Acid	Molten tar

HI-LIFE SANDBLAST

SERIES: MH-01

Recommended for all abrasive blasting applications. The tube of this hose is made with the finest quality abrasion resistant rubber available.

COVER: Black abrasion resistant natural rubber, wrapped finish, perforated

REINFORCEMENT: high tensile fabric ply

TUBE: Abrasion resistant natural rubber, static-conductive

PART NUMBER	SIZE I.D.	BRAIDS OR PLIES	O.D. (INS.)	WORKING PRESSURE	WEIGHT LBS / 100'	LIST PRICE \$ PER FT.
MH-01-008	1/2"	2	1 1/8	150	36	4.40
MH-01-012	3/4"	2	1 1/2	150	71	5.50
MH-01-016	1"	4	1 7/8	150	105	7.50
MH-01-020	1 1/4"	4	2 5/32	150	125	7.95
MH-01-024	1 1/2"	4	2 3/8	150	133	9.90
MH-01-032	2"	4	2 7/8	150	164	12.70

STANDARD LENGTH: 50'

SANDBLAST-WHIPET

WHIP HOSE

This unique light weight hose was developed to accomodate ease of handling by the operator, while maintaining maximum material flow through the 1 1/4" I.D. hose.

PART NUMBER	SIZE I.D.	PLY OR CORDS	O.D. (INS.)	WORKING PRESSURE	WEIGHT LBS / 100'	LIST PRICE \$ PER FT.
MH-01-020T	1 1/4"	2	1 7/8	150	119	7.50

STANDARD LENGTH: 50'

GUNITE

SERIES: MH-03

A premium hose for handling wet concrete grouting and refractory service.

COVER: Tan abrasion and weather resitant synthetic rubber

REINFORCEMENT: Two layers of synthetic cords with static wire

TUBE: Tan natural rubber for maximum cut and abrasion resistance. 1/4" thick

PART NUMBER	SIZE I.D.	O.D. (INS.)	W.P. P.S.I.	WEIGHT LBS / 100'	LIST PRICE \$ PER FT.
MH-03-020	1 1/4"	2 3/32	150	115	18.15
MH-03-024	1 1/2"	2 11/32	150	130	20.25
MH-03-026	1 5/8"	2 13/32	150	140	25.85
MH-03-032	2"	2 29/32	150	189	25.85
MH-03-040	2 1/2"	3 13/32	150	211	P.O.A.

OTHER SIZES AVAILABLE: P.O.A.

STANDARD LENGTH: 50' , 100'



THE CANADIAN NAME FOR A COMPLETE LINE OF BLAST CLEANING EQUIPMENT



- Heavy duty portable blasters
- Economy series
- Parts and accessories



- Reach in type cabinets with dust collectors
- High Pressure units
- Abrasives



- Custom design automated systems
- Shot peening equipments
- Blast room accessories
- Wet blast cabinets

TWIN GAS

WELDING HOSE

Recommended for all welding, brazing, and cutting operations. Meets RMA, CGA Type VD, Grade R (RM) (T) specifications.

COVER: Red for acetylene. Green for oxygen. High quality flame and oil resistant compound
REINFORCEMENT: One rayon braid
TUBE: Smooth inner surface for full flow

					GRADE R STANDARD GRADE SERIES: WE-01		GRADE T SERIES: WE-02	
SIZE I.D.	BRAID	O.D.	W.P.	WEIGHT lbs/100'	PART NUMBER	LIST PRICE \$ PER FT.	PART NUMBER	LIST PRICE \$ PER FT.
3/16"	1	7/16"	300	17	WE-01-003	1.30	WE-02-003	P.O.A.
1/4"	1	17/32"	300	23	WE-01-004	1.65	WE-02-004	P.O.A.
5/16"	1	21/32"	300	27	WE-01-005	P.O.A.	WE-02-005	P.O.A.
3/8"	1	23/32"	300	32	WE-01-006	1.85	WE-02-006	P.O.A.

STANDARD PACKAGE: 725' Approx. Reel

TWIN GAS HOSE ASSEMBLIES - GRADE R

Fitted with crimped on, standard brass B & B couplings.

Part Number	Size / Length	Price
XWE - 01- 04CBB	1/4" X 25'	\$45.00
XWE - 01- 04GBB	1/4" X 50'	\$88.00
XWE - 01- 04JBB	1/4" X 100'	\$176.00

**SINGLE LINE**

SERIES: WE-05
RIBBED COVER

Used for single line welding service. Ribbed cover offers maximum kink resistance. Made to RMA CGA specifications. Type S. Grade R.

					ACETYLENE - RED		OXYGEN - GREEN	
SIZE I.D.	BRAID	O.D.	W.P.	WEIGHT lbs/100'	PART NUMBER	LIST PRICE \$ PER FT.	PART NUMBER	LIST PRICE \$ PER FT.
3/16"	1	7/16"	200	7	WE-05-031R	P.O.A.	WE-05-031G	P.O.A.
1/4"	1	17/32"	200	10	WE-05-041R	P.O.A.	WE-05-041G	P.O.A.
5/16"	1	5/8"	200	13	WE-05-051R	1.26	WE-05-051G	1.26
3/8"	1	21/32"	200	14	WE-05-061R	1.62	WE-05-061G	1.62
1/2"	2	7/8"	200	25	WE-05-082R	P.O.A.	WE-05-082G	P.O.A.

STANDARD PACKAGE: 600' Approx. Reel

SAE 100R1 TYPE AT

DIN 20022 1SN / EN 853 1SN



STYLE: MXI SERIES

Application: High pressure hydraulic oils, air & water.

Construction Tube: Synthetic oil resistant rubber

Reinforcement: 1 high tensile steel wire braid

Cover: Synthetic rubber - abrasion, ozone & weather resistant - MSHA Accepted

Temp. Range: -40°F to 250°F

Impulse Cycles: 150,000

Part No.	Hose Size I.D.	Hose Size O.D.	Max. Recom W.P. PSI	Min. Burst Press. PSI	Min. Bend Radius	Weight Per 100ft (lbs)	List Price \$/ft.
4MXI	1/4"	0.528	3265	13060	3.9	16	2.17
6MXI	3/8"	0.685	2610	10440	5.1	25	2.48
8MXI	1/2"	0.807	2320	9280	7.1	29	3.09
10MXI	5/8"	0.933	1890	7560	7.9	36	4.26
12MXI	3/4"	1.091	1525	6100	9.5	44	4.59
16MXI	1"	1.402	1275	5100	11.8	66	6.33
20MXI	1-1/4"	1.811	915	3660	16.5	88	10.41

SAE 100R2 TYPE AT

DIN 20022 2SN / EN 853 2SN



STYLE: BXI SERIES

Application: High pressure hydraulic oils, air & water.

Construction Tube: Synthetic oil resistant rubber

Reinforcement: 2 high tensile steel wire braid

Cover: Synthetic rubber - abrasion, ozone & weather resistant - MSHA Accepted

Temp. Range: -40°F to 250°F

Impulse Cycles: 200,000

4BXI	1/4"	0.594	5800	23200	4.0	28	3.07
6BXI	3/8"	0.752	4800	19200	5.1	38	3.59
8BXI	1/2"	0.874	4000	16000	7.1	45	4.06
10BXI	5/8"	1.000	3600	14400	7.9	51	5.12
12BXI	3/4"	1.157	3100	12400	9.4	66	5.64
16BXI	1"	1.500	2400	9600	11.8	95	8.40
20BXI	1-1/4"	2.000	1800	7200	16.5	142	15.62
24BXI	1-1/2"	2.248	1300	5200	19.7	176	18.59
32BXI	2"	2.748	1160	4640	24.8	208	20.95

SAE 100R5



STYLE R5 SERIES

Typical Application: General purpose truck and hydraulic hose. For use in air brake, fuel, grease lines, high temperature petroleum oils and medium pressure hydraulic applications. - 16 thru -48 sizes are not SAE or DOT approved for air brake applications.

Inner Tube: Nitrile

Reinforcement: 1 Fiber braid and 1 Steel braid.

Cover: Fiber braid

Temp. Range: Air Brake: -40°F to 200°F

Hot Oil: -40°F to 302°F (sizes -04 thru -16)

-40°F to 250°F (sizes -20 thru -48)

Hydraulic Fluid: -40°F to 212°F

R504	3/16"	33/64	3000	12000	3"	16	5.10
R505	1/4"	37/64	3000	12000	3-3/8"	20	5.41
R506	5/16"	43/64	2250	9000	4"	23	6.20
R508	13/32"	49/64	2000	8000	4-5/8"	27	6.52
R510	1/2"	59/64	1750	7000	5-1/2"	36	8.10
R512	5/8"	1-5/64	1500	6000	6-1/2"	44	9.72
R516	7/8"	1-15/64	800	3200	7-3/8"	46	11.42
R520	1 1/8"	1-1/2	625	2500	9"	51	13.55
R524	1 3/8"	1-3/4	500	2000	10-1/2"	62	15.17
R532	1 13/16	2-22	350	1400	13.3"	P.O.A.	26.96

(Top of pg28 hydraulic cat. for ref. only)

SAE 100R12

SAE 100 R12 / EN 856 R12



STYLE: CEI SERIES

Application: Very high pressure hydraulic.

Construction Tube: Synthetic oil resistant rubber

Reinforcement: 4 high tensile steel wire spirals

Cover: Synthetic rubber - abrasion, ozone & weather resistant - MSHA Accepted

Temp. Range: -40°F to 212°F +121 C intermittent or (+250 F)

Impulse Cycles: Minimum 500,000

Part No.	Hose Size I.D.	Hose Size O.D.	Max. Recom W.P. PSI	Min. Burst Press. PSI	Min. Bend Radius	Weight Per 100ft (lbs)	List Price \$/ft.
6CEI	3/8"	0.787	4000	16000	5.0	45	8.90
8CEI	1/2"	0.929	4000	16000	7.0	50	9.69
10CEI	5/8"	1.070	4000	16000	8.0	69	11.54
12CEI	3/4"	1.200	4000	16000	9.5	89	12.89
16CEI	1"	1.488	4000	16000	12.0	136	15.72
20CEI	1-1/4"	1.842	3000	12000	16.5	182	22.32
24CEI	1-1/2"	2.094	2500	10000	20.0	207	28.66
32CEI	2"	2.618	2500	10000	25.0	296	40.58

SAE 100R13

SAE 100 R13 / EN 856 R13



STYLE: NHI SERIES

Application: Extremely high pressure hydraulic.

Construction Tube: Synthetic oil resistant rubber

Reinforcement: 4 or 6 high tensile steel wire spirals

Cover: Synthetic rubber - abrasion, ozone & weather resistant - MSHA Accepted

Temp. Range: -40°F to 212°F +121 C intermittent or (+250 F)

Impulse Cycles: Minimum 500,000

Part No.	Hose Size I.D.	Hose Size O.D.	Max. Recom W.P. PSI	Min. Burst Press. PSI	Min. Bend Radius	Weight Per 100ft (lbs)	List Price \$/ft.
12NHI	3/4"	1.255	5000	20000	9.5	111	17.03
16NHI	1"	1.515	5000	20000	12.0	156	21.81
20NHI	1-1/4"	1.952	5000	20000	16.5	256	35.48
24NHI	1-1/2"	2.248	5000	20000	20.0	339	46.67
32NHI	2"	2.791	5000	20000	25.0	485	59.57

*** HOSE ASSEMBLIES MADE IN MINUTES!***

WATERBLAST

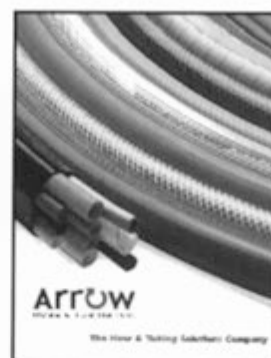
STYLE WB



ASSEMBLIES: Complete with male NPT each end, factory fitted and tested.

PART NUMBER	SIZE x LENGTH	LIST PRICE \$ PER ASS'Y
XWB06-50MM	3/8" ID x 10,870 PSI x 50' fitted assembly	662.25
XWB06-1850MM	3/8" ID x 18,000 PSI x 50' fitted assembly	733.35
XWB08-50MM	1/2" ID x 10,870 PSI x 50' fitted assembly	664.45
XWB08-1650MM	1/2" ID x 15,950 PSI x 50' fitted assembly	746.70

(Higher Working Pressure Hose Assemblies Available on Request.)

PRODUCT LIST

PRESSURE WASH HOSE

TUBE: Black - Heat resistant synthetic rubber
REINFORCEMENT: One wire braid- High tensile steel
COVER: Blue - Heat, Ozone, Weather, Abrasion Resistant Synthetic Rubber
TEMP. RANGE: -40°F to 300°F (-40°C to 150°C)

TEMP. RANGE: HOT OR COLD WATER HIGH PRESSURE CLEANING
 THE NON MARKING COVER IS IDEALLY SUITED FOR CARPET CLEANING AND
 FOOD/DAIRY PLANTS WHERE SANITARY CONDITIONS ARE ESSENTIAL

-3000 PSI PRESSURE WASH, BLUE NON MARKING HOSE (WRAPPED COVER) 300°F

PART NUMBER	SIZE 1.D. O.D.	WORKING PSI	BEND RADIUS	WEIGHT LBS / 100	STANDARD PACKAGE	LIST PRICE \$ PER FT.
PW-04NM	1/4" .530"	3000	3"	16.5	500'	2.20
PW-06NM	3/8" .697"	3000	4"	24.5	500'	2.60

3000 PSI ASSEMBLIES

c/w NPTMale - Solid, Male Swivel and Hose Guards e/e

PART NUMBER	SIZE X LENGTH	LIST PRICE \$ / ASSY
XPW04B-25	1/4" X 25'	88.00
XPW04B-50	1.4" X 50'	142.00

PART NUMBER	SIZE X LENGTH	LIST PRICE \$ / ASSY
XPW06B-25	3/8" X 25'	114.00
XPW06B-50	3/8" X 50'	154.00
XPW06B-100	3/8" X 100'	274.00







4000 PSI ASSEMBLIES

PART NUMBER	SIZE X LENGTH	DESCRIPTION	LIST PRICE \$ / ASSY
X50-6BXI	3/8" X 50'	4000 PSI PRESSURE WASH HOSE C/W 3/8" MALE NPT RIGID AND 3/8" MALE SWIVEL C/W HOSE GUARD -212°F	189.00

RECOMMENDED INSPECTION:

Used assemblies should be checked for obvious signs of stress or abuse before any operation; look for abrasion, cuts, couplings movement or leakage, exposure to chemicals, blistering or loose cover, exposed reinforcement, etc. Inspect all hoses at specific intervals. If the hose fails the visual inspection, it should be removed from service and replaced. Perforated hose should be examined carefully; decreased hose life can be caused from reinforcement degradation due to fluid permeation through the cover.

POWER WASH GUNS, NOZZLE JETS & COUPLINGS

	PART NUMBER	DESCRIPTION	LIST \$ EA.
	ART-101	Pressure Wash Gun - 4000 PSI (3/8" fem. NPT inlet)	64.60
	ART-107	Weeping Pressure Wash Gun - 4000 PSI (for outdoor winter conditions)	69.50
	MV-832	Angle Pressure Gun - 3000 PSI - 7 GPM (recommended for applying driveway sealant)	P.O.A.
	ART-312	Wand c/w Hand Guard & 1/4" Male NPT - 3'	20.90
	ART-313	Wand c/w Hand Guard & 1/4" Male NPT - 4'	29.50
	ART-316	Wand c/w Hand Guard & 1/4" Male NPT - 6 1/2'	39.90
	ART-333	Double Wand	145.00
	40045	Nozzle Jet 40° Angle - 4.5 GPM	13.20
	25045	Nozzle Jet 25° Angle - 4.5 GPM	13.20
	65004	Nozzle Jet 65° Angle - 4.5 GPM	42.50
	BST-2	1/4" Brass Coupler x Female NPT	10.60
	BST-3	3/8" Brass Coupler x Female NPT	12.50
	BST-N2	1/4" Brass Plug x Female NPT	4.65
	BST-N3	3/8" Brass Plug x Female NPT	5.50
	ST-N2	1/4" Steel Plug x Female NPT	4.65
	ST-N3	3/8" Steel Plug x Female NPT	5.50
	5000-04-04	1/4" NPT Female Union	3.75



SmoothFlex - Nominal Bore

Smooth Bore PTFE Hose with Stainless Steel Braided Reinforcement

Designed for applications requiring a smooth bore flexible hose with the unexcelled corrosion resistance and sanitary properties of PTFE. This smooth bore hose is specified and used in an endless variety of applications where conditions of service are beyond the capabilities of rubber, synthetic or metal hose. The PTFE smooth bore I.D.'s minimize pressure drop. SmoothFlex Nominal Bore is available with a **standard** virgin PTFE or **optional** conductive carbon black PTFE liner for electrostatic dissipation.

Specifications:

Our Part #	Dash Size	Actual I.D. (inch)	Average O.D. (inch)	Working Pressure	Min Burst Pressure	Min Bend Radius (inch)	List Price
T103	-3	.125	.250	3,000	12,000	2.0	\$ 5.55
T104	-4	.187	.312	3,000	12,000	2.0	\$ 5.50
T105	-5	.250	.375	3,000	12,000	3.0	\$ 6.52
T106	-6	.312	.446	2,500	10,000	4.0	\$ 7.39
T108	-8	.405	.549	2,000	8,000	5.1	\$ 8.37
T110	-10	.500	.648	1,750	7,000	6.6	\$ 9.60
T112	-12	.625	.773	1,500	6,000	7.7	\$14.94
T116	-16	.875	1.030	1,000	4,000	9.0	\$19.41

Temperature Range -65°F (-54°C) to +450°F (+232°C)

Smoothflex Standard Brass Fittings



Style # BR03 Brass Male Npt 2pcs Fitting

Our Part #	Hose End Dash Size	Thread Size	List Price
BR03-0402MP	-4	1/8"	\$6.62
BR03-0404MP	-4	1/4"	\$6.37
BR03-0504MP	-5	1/4"	\$8.52
BR03-0604MP	-6	1/4"	\$7.81
BR03-0606MP	-6	3/8"	\$12.17
BR03-0806MP	-8	3/8"	\$11.66
BR03-0808MP	-8	1/2"	\$16.18
BR03-1008MP	-10	1/2"	\$17.30
BR03-1212MP	-12	3/4"	\$38.00
BR03-1616MP	-16	1"	\$64.86



Style # BR30 Brass Female Jic Swivel 2pcs Fitting

Our Part #	Hose End Dash Size	Thread Size	List Price
BR30-0403FJ	-3	3/16"	\$18.20
BR30-0404FJ	-4	1/4"	\$ 6.62
BR30-0505FJ	-5	5/16"	\$10.48
BR30-0606FJ	-6	3/8"	\$10.58
BR30-0808FJ	-8	1/2"	\$12.48
BR30-1010FJ	-10	5/8"	\$17.44
BR30-1212FJ	-12	3/4"	\$34.10
BR30-1616FJ	-16	1"	\$44.21

Smoothflex Standard 303 ST/ST Fittings

Style # ST03 303 st/st Male Npt 2pcs Fitting

Our Part #	Hose End Dash Size	Thread Size	List Price
ST03-0402MP	-4	1/8"	\$15.82
ST03-0404MP	-4	1/4"	\$20.49
ST03-0504MP	-5	1/4"	\$18.49
ST03-0604MP	-6	1/4"	\$29.22
ST03-0606MP	-6	3/8"	\$23.42
ST03-0806MP	-8	3/8"	\$30.96
ST03-0808MP	-8	1/2"	\$34.56
ST03-1008MP	-10	1/2"	\$39.59
ST03-1212MP	-12	3/4"	\$41.44
ST03-1616MP	-16	1"	\$139.36

Style # ST30 303 st/st Female Jic Swivel 2pcs Fitting

Our Part #	Hose End Dash Size	Thread Size	List Price
ST30-0403FJ	-3	3/16"	\$52.53
ST30-0404FJ	-4	1/4"	\$23.93
ST30-0505FJ	-5	5/16"	\$33.58
ST30-0606FJ	-6	3/8"	\$30.76
ST30-0808FJ	-8	1/2"	\$42.11
ST30-1010FJ	-10	5/8"	\$56.54
ST30-1212FJ	-12	3/4"	\$70.86
ST30-1616FJ	-16	1"	\$125.50

* STYLE 316ST/ST AVAILABLE ON REQUEST

OTHER STYLES OF FITTINGS AVAILABLE ON REQUEST!

RETRACTABLE HOSE REELS

THE NEXT GENERATION



MODEL: L8447



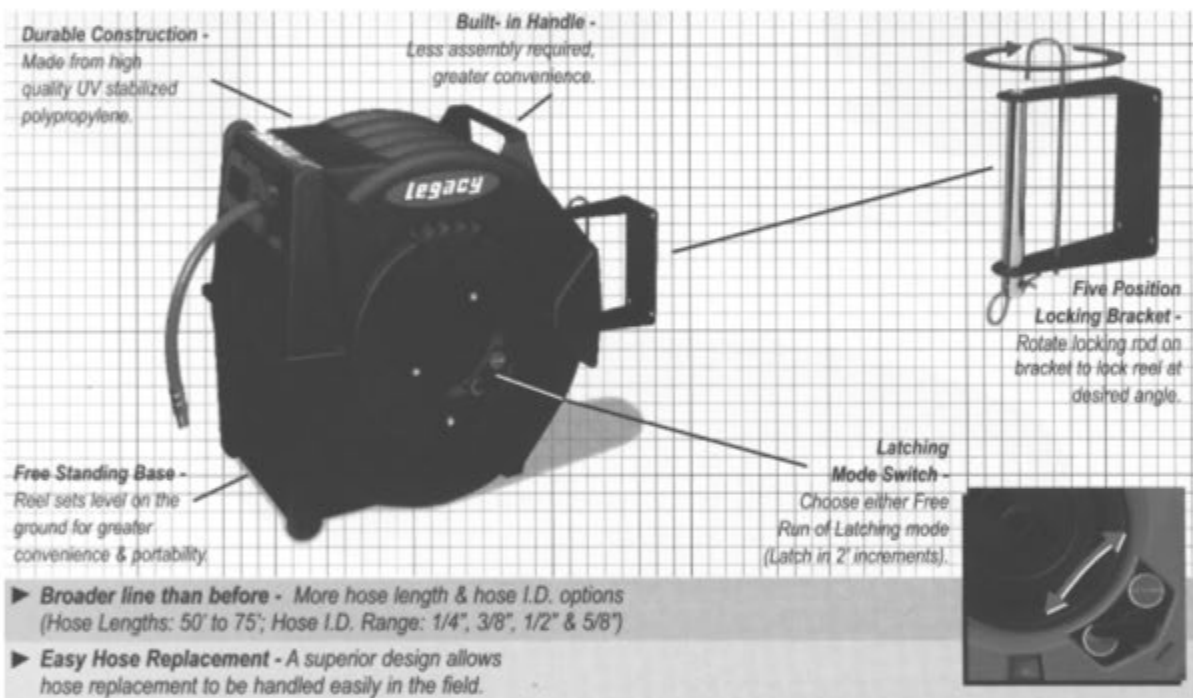
MODEL: L8463



MODEL: L8305



MODEL: L8435



**Included in the Hose Reel Package is
A WALL AND OVERHEAD BRACKET MOUNT**

MODEL/PART NO.	DESCRIPTION	LIST PRICE \$ / EA.
L8305	3/8" x 50' Air Hose Reel	450.00
L8435	1/2" x 50' Air / Water	525.00
L8447	5/8" x 50' Hot Water	595.00
L8463	1/4" x 50' Twin Line Welding Hose Reel	795.00

PVC HOSE

Chemical	Concentration by weight	Operating Conditions 68°F 140°F		Chemical	Concentration by weight	Operating Conditions 68°F 140°F		Chemical	Concentration by weight	Operating Conditions 68°F 140°F	
Acetate Solvents		C	C	Creosote		C	C	Magnesium Chloride		A	A
Acetic Acid	10%	A	B	Cresol		A	B	Magnesium Hydroxide		A	A
Acetic Acid	Glacial	B	C	Cresylic Acid		C	C	Magnesium Sulphate		A	A
Acetone		C	C	Cyclohexane		A	B	Malic Acid		A	A
Acrylonitrile		A	B	Cyclohexanone		C	C	Methyl Acetate		C	C
Adipic Acid		A	B	DDT Weed Killer		A	B	Methyl Bromide		C	C
Alcohol Butyl		A	B	Detergent Synthetic		A	A	Methyl Ethyl Ketone		C	C
Alcohol Ethyl		A	B	Developers Photographic		A	A	Methylene Chloride		C	C
Alcohol Isopropyl		A	B	Dextrin		A	A	Mineral Oils		A	B
Alcohol Methyl		A	B	Dextrose		A	A	Monochlorobenzene		C	C
Aluminum Acetate		A		Dibutyl Phthalate		C	C	Naphtha		B	C
Aluminum Chloride		A	A	Dichlorobenzene		C	C	Naphthalene		C	C
Aluminum Hydroxide		A		Diesel Oil BC				Nitric Acid	10%	A	
Aluminum Sulfate		A	A	Diethylene Glycol		A	A	Nilric Acid	40%	A	B
Allyl Chloride		B	B	Diethyl Ether		C	C	Nitric Acid	70%	C	C
Ammonia	0.88S.G.Aqueous	A	A	Di-isodecyl Phthalate		C	C	Nitrobenzene		C	C
Ammonia	Dry Gas	A		Diocyl Phthalate		C	C	Nitrogen Fertilizers		A	
Ammonia	Liquid	C	C	Emulsifiers		A	A	Oleic Acid		A	B
Ammonium Chloride		A	A	Emulsions Photographic		A	A	Oxalic Acid		A	A
Ammonium Hydroxide		A		Ethyl Acetate		C	C	Palmitic Acid		A	A
Animal Oils A		A		Ethylene Dichloride		C	C	Paraffin		A	A
Amlyl Acetate		C	C	Ethylene Glycol				Pentane		B	C
Aniline Oils		B	C	Fatty Acid		A	A	Perchloroethylene		C	C
Aromatic Hydrocarbons		C	C	Ferric Chloride		A	A	Phenol		B	C
Asphalt		C	C	Ferric Sulphate		A	A	Phosphoric Acid		A	A
ASTM Fuel A		B	B	Ferrous Chloride		A	A	Pitch		A	B
ASTM Fuel B		C	C	Ferrous Sulphate		A	A	Potassium Hydroxide		A	A
ASTm #1 Oil		A	A	Fixing Solution Photograp.		A	A	Propane		A	A
ASTM #3 Oil		B	C	A				Sea Water		A	A
Barium Chloride		A	A	Fluorine		C	C	Sodium Hydroxide	10%	A	A
Barium Hydroxide		A	A	Formaldehyde	40%	C	C	Sodium Hydroxide	50%	A	C
Barium Sulfide		A	A	Formic Acid	40%	A	A	Sodium Cyanide		A	A
Benzene		C	C	Formic Acid	50%	B	C	Stearic Acid		A	A
Benzine		B	B	Formic Acid	100%	C	C	Styrene		C	C
Bordeaux Mixture		A	A	Fuel Oil		B	C	Sulphur Dioxide	Dry	A	A
Borax		A	A	Glacial Acetic Acid		B	C	Sulphur Dioxide	Moist	B	C
Boric Acid		A	A	Glucose		A	A	Sulphur Dioxide	Liquid	C	C
Brine		A	A	Glycerine		A	A	Sulphuric Acid	45%	A	A
Bromine Traces		C	C	Grape Sugar		A	A	Sulphuric Acid	60%	B	B
Butyl Acetate		C	C	Grease		A	B	Sulphuric Acid	98%	C	C
Calcium Hydroxide		A	A	Heptane		B	C	Sulphurous Acid	30%	A	
Calcium Hypochlorite		A	A	Hexane		B	C	Tannic Acid		A	A
Carbonic Acid		B	C	Hydrobromic Acid		A	A	Tartaric Acid		A	A
Carbon Dioxide		A	A	Hydrochloric Acid	10%	A	A	Tetrahydrofuran		C	C
Carbon Disulphite		C	C	Hydrochloric Acid	40%	A	C	Toluene		C	C
Carbon Monoxide		A	A	Hydrofluoric Acid	10%	A	B	Trichlorethylene		C	C
Carbon Tetrachloride		C	C	Hydrofluoric Acid	40%	B	C	Triethanolamine		A	A
Casein		A	B	Hydrofluoboric Acid		A	A	Tricresyl Phosphate		C	C
Chlorine Dry	Gas	A	A	Hydrofluosilicic Acid		A	A	Turpentine		B	C
Chlorine Wet	Gas	B	C	Hydrogen Peroxide		A		Urea		A	A
Chlorine	Water	C	C	Hydrogen Sulphide		A		Vinegar		A	A
Chlorobenzene		C	C	Iso-octan		A	B	Vinyl Acetate		C	C
Chlorinated		C	C	Isopropyl Acetate		C	C	Vinyl Chloride		C	C
Hydrocarbons		C	C	Kerosene		B	B	Water		A	A
Chloroform		A	B	Ketones		C	C	Xylene		C	C
Chromic Acid		A	A	Lactic Acid	10%	A		Zinc Chloride		A	A
Citric Acid		C	C	Lactic Acid	100%	C	C	Zinc Sulphate		A	A
Coal Tar		A	A	Lacquer Solvents		B	C				
Copper Chloride		A	A	Linseed Oil		A	A				
Copper Nitrate		A	A	Lubricating Oils		A	A				
Copper Sulphate		B	C								
Cottonseed Oil											

"A" - Satisfactory

"B" - Suggest Testing

"C" - Unsatisfactory

G-Good

F-Fair

X-Not Recommended

- - Insufficient Information

WARNING - Selection of Hose: Selection of the proper hose for the application is essential to the proper operation and safe use of the hose and related equipment. Inadequate attention to selection of the hose for your application can result in serious bodily injury or property damage from spraying fluid or flying projectiles. In order to avoid serious bodily injury or property damage resulting from selection of the wrong hose, you should carefully review the information in this catalog.

WARNING - Proper Selection of Hose Fitting: Selection of the proper fittings for the hose and application is essential to the proper operation and safe use of the hose and related equipment. Inadequate attention to the selection of the fitting for your application can result in serious bodily injury or property damage resulting from spraying fluids or flying projectiles. In order to avoid serious bodily injury or property resulting from selection of the wrong fitting, you should carefully review the information in this catalog.

WARNING - The following list of chemicals is offered as a guide to the chemical resistance properties of the tube material of the hoses shown. It should be used as a guide only, as the degree of resistance of any elastomer to a particular fluid depends upon such variables as temperature, concentration, pressure conditions, velocity of flow, duration of exposure, aeration, stability of the fluid, etc.

FLUID	HOSE MATERIAL															METALS		
	UHMW	XLPE	PVC	Nitrile	Vinyl Nitrile	Neoprene	Teflon (PTFE)	Teflon (FEP)	Nylon 6/66 Nylall	EPDM	Hypalon	Natural Rubber/SBR	Hytrek	Polyurethane	CPE	Brass	Steel	316 Stainless
Acetaldehyde	G	G	X	X	X	X	G	G	F	G	F	X	X	X	-	X	X	G
Acetic Acid (Concentrated)	G	G	X	X	X	X	G	G	X	G	X	X	X	X	G	X	X	G
Acetic Acid (Dilute)	G	G	F	X	X	F	G	G	X	G	F	X	G	X	G	X	X	G
Acetic Anhydride	G	G	X	G	G	X	G	G	X	G	F	X	X	X	G	X	F	F
Acetone	G	G	X	X	X	X	G	G	F	G	F	X	F	X	G	G	G	G
Acrylonitrile	G	G	G	X	X	X	G	G	-	X	X	X	-	X	G	-	G	G
Air	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Alcohols																		
Amyl Alcohol	G	G	X	G	G	F	G	G	G	G	G	G	G	X	G	G	F	F
Butyl Alcohol, Butanol	G	G	X	G	G	G	G	G	G	G	G	G	-	X	G	G	G	G
Ethyl Alcohol, Ethanol	G	G	F	G	G	G	G	G	G	G	G	G	G	X	G	G	F	G
Isopropyl Alcohol, Isopropanol	G	G	G	G	G	G	G	G	G	G	G	G	G	X	G	G	G	G
Methyl Alcohol, Methanol	G	G	X	G	G	G	G	G	G	G	G	G	G	X	G	G	F	G
Aluminum Chloride	G	G	G	G	G	G	G	G	X	G	G	G	G	G	G	X	X	F
Aluminum Fluoride	G	G	G	G	G	F	G	G	X	G	G	G	-	G	X	X	X	X
Aluminum Hydroxide	G	G	G	G	G	G	G	G	G	G	G	G	-	G	G	X	F	G
Aluminum Nitrate	G	G	G	G	G	G	G	G	F	G	G	G	-	X	-	X	X	G
Aluminum Sulfate	G	G	G	G	G	G	G	G	F	G	G	G	G	G	G	X	X	G
Alums	G	G	G	G	G	G	G	G	G	G	G	G	X	G	G	X	X	F
Ammonia, Anhydrous	-	-	-	-	-	-	G	-	-	-	-	-	-	-	-	X	F	G
Ammonia, Solution (10%)	G	G	G	G	G	F	G	G	X	G	G	F	X	X	X	X	G	G
Ammonium Chloride	G	G	G	G	G	G	G	G	X	G	G	G	G	F	G	X	G	F
Ammonium Hydroxide	G	G	X	F	F	F	G	G	X	G	G	F	X	X	G	X	F	G
Ammonium Nitrate	G	G	G	G	G	G	G	G	G	G	G	G	G	X	G	-	-	G

G-Good F-Fair

X-Not Recommended

-- Insufficient Information

* For intermittent transfer only

FLUID	HOSE MATERIAL															METALS		
	UHMW	XLPE	PVC	Nitrile	Vinyl Nitrile	Neoprene	Teflon (PTFE)	Teflon (FEP)	Nylon 6/66 Nylall	EPDM	Hypalon	Natural Rubber/SBR	Hytrek	Polyurethane	CPE	Brass	Steel	316 Stainless
Ammonium Phosphate	G	G	F	G	G	G	G	G	G	G	G	G	G	F	G	X	X	G
Ammonium Sulfate	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	X	X	F
Amyl Acetate	G	G	X	X	X	X	G	G	G	F	X	X	F	X	X	G	F	G
Amyl Alcohol	G	G	X	G	G	F	G	G	G	G	G	G	G	X	G	G	F	F
Aniline	G	G	X	X	X	X	G	G	X	X	X	X	X	X	X	X	G	G
Aniline Dyes	G	G	X	F	F	F	G	G	X	G	F	F	X	X	X	X	X	F
Animal Oils and Fats	G	G	G	G	G	X	G	G	-	F	F	X	G	X	F	G	G	G
Anti-Freeze (Glycol Base)	G	G	G	G	G	G	G	G	-	G	G	G	G	X	G	G	G	G
Aqua Regia	X	X	X	X	X	X	G	F	X	X	X	X	X	X	X	-	X	X
Aromatic Hydrocarbons	G*	G*	X	X	X	X	G	G	G	X	X	X	X	X	X	G	G	G
Asphalt Emulsion	X	X	X	G	X	X	G	G	-	X	X	X	G	X	F	G	G	G
Barium Chloride	G	G	G	G	G	G	G	G	-	G	G	G	G	G	G	X	F	G
Barium Hydroxide	G	G	G	G	G	G	G	G	G	G	G	G	G	X	G	X	G	G
Barium Sulfate	G	G	G	G	G	G	G	G	G	G	G	G	X	G	X	G	G	G
Barium Sulfide	G	G	G	G	G	G	G	G	-	G	G	G	X	G	G	X	X	G
Beet Sugar Liquors	G	G	G	G	G	G	G	G	G	X	G	G	-	X	G	X	G	G
Benzaldehyde	G	G	X	X	X	X	G	G	G	F	X	X	X	X	X	F	F	G
Benzene, Benzol	G*	G*	X	X	X	X	G	G	G	X	X	X	X	X	F	G	G	G
Benzoic Acid	G	G	X	X	X	G	G	G	X	X	X	X	X	X	G	F	X	F
Black Sulfate Liquor	G	F	X	F	F	G	G	G	X	G	F	X	G	X	X	X	G	G
Bleach Solution	F	F	F	X	X	X	G	G	X	G	F	X	F	F	G	X	X	G
Borax Solution	G	G	G	F	F	G	G	G	-	G	G	G	G	G	G	G	G	G
Boric Acid	G	G	G	G	G	G	G	G	G	G	G	G	G	G	X	X	X	G
Brake Fluid (Glycol Ether Base)	G	G	X	X	X	F	G	G	-	G	X	X	-	X	G	G	G	G
Brine	G	G	G	G	G	G	G	G	-	G	G	G	G	X	G	-	X	F
Bromine	X	X	X	X	X	X	G	X	X	X	X	X	X	X	X	X	X	X
Butyl Acetate	G	G	X	X	X	X	G	G	-	F	X	X	F	X	F	G	G	G
Butyl Alcohol, Butanol	G	G	X	G	G	G	G	G	G	G	G	G	G	X	G	G	G	G
Calcium Bisulfite	G	G	G	G	G	G	G	G	X	G	G	G	X	G	X	X	X	X
Calcium Chloride	G	G	G	G	G	G	G	G	X	G	G	G	G	G	G	X	F	F
Calcium Hydroxide	G	G	G	F	F	G	G	G	G	G	F	G	G	X	G	F	G	G
Calcium Hypochlorite	G	G	G	F	F	F	G	G	X	G	F	X	F	X	G	F	X	F
Cane Sugar Liquors	G	G	G	G	G	G	G	G	-	G	G	G	G	X	G	F	G	G
Carbon Dioxide (Dry)	G	G	G	G	G	G	G	G	G	G	G	F	G	G	G	G	G	G
Carbon Dioxide (Wet)	G	G	G	G	G	G	G	G	G	G	G	F	-	G	-	F	G	G
Carbon Disulfide (Bisulfide)	F	X	X	X	X	X	G	G	X	X	X	X	X	G	X	G	G	G
Carbon Monoxide (Hot)	-	-	X	F	F	F	G	G	X	F	G	X	G	F	G	X	F	G
Carbon Tetrachloride	G*	G*	X	X	X	X	G	G	G	X	X	X	F	X	X	G	G	G
Carbonic Acid	G	G	G	G	G	G	G	G	-	G	G	G	X	G	X	X	X	F
Caster Oil	G	G	G	G	G	F	G	G	-	F	G	X	F	F	G	G	G	G
Cellosolve Acetate	G	G	X	X	X	X	G	G	-	F	F	X	X	X	X	X	X	G

NATIONAL HOSE

Chemical Compatibility Chart

Application

G-Good F-Fair

X-Not Recommended

- - Insufficient Information

* For intermittent transfer only

FLUID	HOSE MATERIAL															METALS		
	UHMW	XLPE	PVC	Nitrile	Vinyl Nitrile	Neoprene	Teflon (PTFE)	Teflon (FEP)	Nylon 6/66 Nylall	EPDM	Hypalon	Natural Rubber/SBR	Hytre	Polyurethane	CPE	Brass	Steel	316 Stainless
Chlorinated Solvents	G*	G*	X	X	X	X	G	G	G	X	X	X	X	X	X	G	G	F
Chloroacetic Acid	G	G	X	X	X	X	G	G	X	F	X	X	X	X	X	X	X	F
Chlorobenzene	G*	G*	X	X	X	X	G	G	X	X	X	X	X	X	-	F	F	G
Chlorine Gas (Dry)	X	X	X	X	X	X	G	X	X	X	X	X	X	X	X	F	F	G
Chlorine Gas (Wet)	X	X	X	X	X	X	G	X	X	X	X	X	X	X	X	X	X	X
Chloroform	G	G*	X	X	X	X	G	G	G	X	X	X	X	X	X	G	G	G
Chlorosulfonic Acid	F	F*	X	X	X	X	G	G	X	X	X	X	X	X	X	X	F	X
Chromic Acid (under 25%)	G	X	F	X	X	X	G	G	X	G	G	X	X	X	X	X	X	G
Chromic Acid (over 25%)	G	X	X	X	X	X	G	G	X	G	G	X	X	X	X	X	X	F
Citric Acid	G	G	G	F	F	G	G	G	F	G	G	G	G	X	X	X	X	G
Coke Oven Gas	X	X	X	X	X	X	G	G	-	X	X	X	-	X	X	F	G	G
Copper Chloride	G	G	G	G	G	F	G	G	X	G	G	G	G	G	X	X	X	G
Copper Cyanide	G	G	G	G	G	F	G	G	G	G	G	G	-	G	-	X	X	G
Copper Sulfate	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	X	X	G
Corn Syrup (Non-food)	G	G	G	G	G	F	G	G	-	G	F	F	G	G	-	-	G	G
Cottonseed Oil	G	G	F	G	G	X	G	G	-	F	F	X	G	G	G	G	G	G
Creosote	G	G	X	F	F	X	G	G	X	X	F	X	X	F	F	F	-	G
Cresol	G	G	X	X	X	X	G	G	X	X	X	X	X	X	G	-	G	G
Cyclohexanol	G	G	X	F	F	F	G	G	G	G	G	F	-	-	G	G	F	G
Dextrose (Food Grade)	G	X	X	X	X	X	G	G	X	X	X	X	X	X	X	-	-	G
Dichlorobenzene	G*	G*	X	X	X	X	G	G	-	X	X	X	X	X	X	-	-	G
Diesel Fuel	G	G	X	G	G	X	G	G	-	X	F	X	F	F	G	G	G	G
Diethanolamine	G	G	X	F	X	X	G	G	-	G	X	F	X	X	-	X	G	G
Diethylenetriamine	G	G	X	F	X	X	G	G	X	G	X	F	-	X	-	-	-	-
Dowtherm A	-	-	X	X	X	X	G	G	X	X	X	X	X	-	X	X	F	G
Enamel (Solvent Base)	G	G	X	F	F	X	G	G	-	X	X	X	G	-	G	G	-	G
Ethanolamine	G	G	X	F	F	X	G	G	-	G	X	G	-	X	-	X	G	G
Ethers (Ethyl Ether)	G	G	X	X	X	X	G	G	-	X	X	X	X	X	G	G	G	G
Ethyl Alcohol	G	G	F	G	G	G	G	G	G	G	G	G	G	G	G	F	G	G
Ethyl Acetate	G	G	X	X	X	X	G	G	G	G	X	X	F	X	F	G	G	G
Ethyl Acrylate	G	G	X	X	X	X	G	G	-	F	X	X	-	X	F	-	G	G
Ethyl Methacrylate	G	G	X	X	X	X	G	G	-	F	X	X	-	X	F	-	G	G
Ethylamine	G	G	X	X	X	X	G	G	X	F	X	X	-	X	-	G	-	G
Ethyl Cellulose	G	G	X	F	F	F	G	G	-	F	F	G	-	F	G	F	G	F
Ethyl Chloride	G*	G*	X	X	X	X	G	G	-	X	X	X	X	F	X	F	F	G
Ethylenediamine	G	G	X	F	X	G	G	G	X	G	F	G	-	X	-	G	G	G
Ethylene Dibromide	G	G	X	X	X	X	G	G	-	X	X	X	-	X	-	-	-	-
Ethylene Dichloride	G*	G*	X	X	X	X	G	G	-	X	X	X	X	X	X	G	X	X
Ethylene Glycol	G	G	G	G	G	G	G	G	G	G	G	G	G	F	G	F	G	G
Ethylene Oxide	G	G	X	X	X	X	G	G	-	X	X	X	G	X	X	X	F	F
Fatty Acids	G	G	G	F	F	G	G	G	G	F	X	X	G	-	F	F	F	G
Ferric Chloride 5%	G	G	G	G	G	G	G	G	G	G	G	G	-	F	G	X	X	X

NATIONAL HOSE

Chemical Compatibility Chart

Application

G-Good

F-Fair

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- Insufficient Information

** Use approved Freon Hose

FLUID	HOSE MATERIAL															METALS		
	UHMW	XLPE	PVC	Nitrile	Vinyl Nitrile	Neoprene	Teflon (PTFE)	Teflon (FEP)	Nylon 6/66 Nylall	EPDM	Hypalon	Natural Rubber/SBR	Hytrek	Polyurethane	CPE	Brass	Steel	316 Stainless
Ferric Sulfate	G	G	G	G	G	G	G	G	G	G	G	G	G	-	G	X	X	F
Fertilizer Salts Solution	G	G	G	F	F	F	G	G	-	G	G	G	-	-	-	-	-	G
Formaldehyde	G	G	X	F	F	F	G	G	G	G	X	F	F	X	G	F	X	G
Formic Acid	G	G	X	F	F	F	G	G	X	G	X	X	X	X	G	F	X	G
Freon 12**	-	-	-	-	-	-	G	-	-	-	-	-	-	-	-	G	G	G
Freon 134a**	-	-	-	-	-	-	G	-	-	-	-	-	-	-	-	-	G	G
Fuel Oil	G	G	F	G	G	F	G	G	-	X	X	X	-	F	G	F	G	G
Furfural	G	G	X	X	X	X	G	G	X	F	F	X	-	-	F	F	G	G
Gasoline (Refined)	G	G	X	F	F	X	G	G	G	X	X	X	G	F	G	G	G	G
Gasoline (Unleaded)	G	G	X	G	G	X	G	G	G	X	F	X	X	X	G	G	G	G
Gasoline (10% Ethanol)	G	G	X	G	G	X	G	G	G	X	X	X	X	X	-	G	G	G
Gasoline (10% Methanol)	G	G	X	F	F	X	G	G	G	X	X	X	X	X	-	G	G	G
Glucose (non--food)	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Glycerine, Glycerol (Non-Food)	G	G	G	G	G	G	G	G	G	G	G	G	G	X	G	G	G	G
Greases	G	G	G	G	G	F	G	G	G	X	F	X	G	G	G	G	G	G
Green Sulfate Liquor	G	G	G	F	F	F	G	G	X	G	G	G	X	G	X	X	X	G
Heptane	G	G	X	G	G	F	G	G	G	X	F	X	G	F	G	G	G	G
Hexane	G	G	X	G	G	F	G	G	G	X	F	X	G	F	G	G	G	G
Houghto Safe 273 to 640	G	G	F	G	G	G	G	G	-	G	-	F	-	X	G	G	G	G
Houghto Safe 5046, 5047F	G	G	G	G	G	G	G	G	-	X	X	X	G	X	G	G	G	G
Houghto Safe 1000 Series	G	G	X	X	X	X	G	G	-	G	X	X	-	X	-	G	G	G
Hydraulic Oils																		
Straight Petroleum Base	G	G	G	G	G	F	G	G	G	X	F	X	G	G	G	G	G	G
Water Petroleum Emulsion	G	G	-	G	G	F	G	G	-	X	F	X	G	X	G	G	G	G
Water Glycol	G	G	X	G	G	G	G	G	G	G	X	F	X	X	G	G	G	G
Straight Phosphate Ester	G	G	X	X	X	X	G	G	G	G	X	X	-	X	G	G	G	G
Phos. Ester/Petroleum Bend	G	G	X	X	X	X	G	G	G	X	X	X	-	X	G	G	G	G
Polyol Ester	G	G	-	G	G	X	G	G	-	X	-	X	-	G	G	G	G	G
Hydrobromic Acid (under 48%)	G	G	G	X	X	X	G	G	X	G	G	X	X	X	G	X	X	X
Hydrochloric Acid	G	G	G	X	X	X	G	G	X	G	G	X	X	X	G	X	X	X
Hydrocyanic Acid	G	G	G	F	F	X	G	G	X	F	G	X	X	-	X	X	F	G
Hydrofluoric Acid (under 50%)	G	G	F	X	X	X	G	G	X	F	G	X	X	X	X	X	X	G
Hydrofluoric Acid (over 50%)	G	G	X	X	X	X	G	G	X	X	G	X	X	X	X	X	X	G
Hydrofluosilicic Acid	G	G	G	F	F	X	G	G	X	G	G	X	-	-	G	X	X	X
Hydrogen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	G
Hydrogen Peroxide	F	F	-	X	X	X	G	G	X	F	X	X	-	-	G	X	X	G
Hydrogen Sulfide	G	G	G	X	X	X	G	G	X	X	F	X	G	-	X	F	F	F
Hydrolube	G	G	G	G	G	F	G	G	-	G	-	-	F	X	-	G	G	G
Iodine	F	F	X	F	X	X	G	G	X	G	G	X	-	X	G	X	X	X
Isocyanates	G	X	X	X	X	X	G	-	X	X	X	X	X	X	X	-	-	-
Isopropyl Alcohol, Isopropanol	G	G	G	G	G	G	G	G	G	G	G	G	G	X	G	G	G	G

G-Good F-Fair

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FLUID	HOSE MATERIAL															METALS		
	UHMW	XLPE	PVC	Nitrile	Vinyl Nitrile	Neoprene	Teflon (PTFE)	Teflon (FEP)	Nylon 6/66 Nylall	EPDM	Hypalon	Natural Rubber/SBR	Hytrel	Polyurethane	CPE	Brass	Steel	316 Stainless
Isopropylamine	G	G	X	X	X	F	G	G	-	F	X	F	-	-	-	G	-	G
Iso-Octane	G	G	X	G	G	F	G	G	G	X	F	X	G	X	G	G	G	G
Jet Fuel (Transfer Only)	G	G	X	G	G	F	G	G	G	X	X	X	G	F	G	G	F	G
Kerosene	G	G	X	G	G	F	G	G	G	X	F	X	F	G	G	G	G	G
Lacquer	G	G	X	X	X	X	G	G	G	X	X	X	X	X	F	G	X	G
Lacquer Solvents	G	G	X	X	X	X	G	G	G	X	X	X	F	X	F	G	X	G
Lactic Acid	G	G	G	X	X	G	G	G	G	F	G	X	X	X	X	F	F	G
Lime Sulfur	G	G	G	X	X	G	G	G	F	G	F	F	-	-	-	X	-	G
Lindol	G	G	-	X	X	X	G	G	G	G	X	X	-	X	-	F	G	G
Linseed Oil	G	G	G	G	G	X	G	G	G	X	F	X	F	F	G	F	G	G
Lubricating Oils	G	G	G	G	G	F	G	G	G	X	F	X	G	F	G	G	G	G
Lye	G	G	G	F	F	G	G	G	F	G	G	G	-	X	F	F	X	G
Magnesium Chloride	G	G	G	G	G	G	G	G	G	G	G	G	-	G	G	F	F	G
Magnesium Hydroxide	G	G	G	F	F	G	G	G	G	G	F	G	-	X	G	G	G	G
Magnesium Sulfate	G	G	G	G	G	G	G	G	G	G	G	G	-	-	G	F	G	G
Mercuric Chloride	G	G	F	F	F	G	G	G	X	G	G	F	-	-	X	X	X	X
Mercury	G	G	F	G	G	G	G	G	G	G	G	F	G	G	G	X	G	G
Methyl Alcohol, Methanol	G	G	X	G	G	G	G	G	G	G	G	G	G	F	G	F	G	G
Methyl Acrylate	G	G	X	X	X	X	G	G	X	F	X	X	-	X	X	G	G	G
Methyl Bromide	X	X	X	X	X	X	G	G	F	X	X	X	X	X	X	G	G	G
Methyl Chloride	G*	G*	X	X	X	X	G	G	G	X	X	X	X	X	F	G	G	G
Methylene Chloride	G*	G*	X	X	X	X	G	G	F	X	X	X	X	X	X	G	G	G
Methyl t-Butyl Ether (MTBE)	G	G	X	F	F	X	G	G	G	X	X	X	-	-	G	-	G	G
Methyl Ethyl Ketone	G	G	X	X	X	X	G	G	G	F	X	X	G	X	X	G	G	G
Methyl Isobutyl Ketone	G	G	X	X	X	X	G	G	G	F	X	X	-	X	X	G	G	G
Methyl Isopropyl Ketone	G	G	X	X	X	X	G	G	G	F	X	X	-	X	X	G	G	G
Methyl Methacrylate	G	G	X	X	X	X	G	G	-	X	X	X	-	X	X	-	G	G
Mineral Oil	G	G	F	G	G	F	G	G	G	X	F	X	G	G	G	G	G	G
Miniral Spirits	G	G	X	G	G	F	G	G	G	X	X	X	G	F	G	G	G	G
Naphtha	G	G	X	F	F	F	G	G	G	X	X	X	G	F	G	F	G	G
Napthalene	G	G	X	X	X	X	G	G	G	X	X	X	F	F	G	F	G	G
Nickel Acetate	G	G	G	X	X	G	G	G	G	G	G	G	-	X	-	G	G	G
Nickel Chloride	G	G	G	G	G	F	G	G	G	G	G	G	X	X	G	X	X	F
Nickel Sulfate	G	G	G	G	G	F	G	G	G	G	G	G	-	F	G	X	X	G
Nitric Acid (under 35%)	G	F*	G	X	X	X	G	G	X	F	F	X	X	X	X	X	X	G
Nitric Acid (35% to 60%)	F	X	F	X	X	X	G	G	X	X	X	X	X	X	X	X	X	G
Nitric Acid (over 60%)	X	X	X	X	X	X	G	G	X	X	X	X	X	X	X	X	X	G
Nitrobenzene	G	G	X	X	X	X	G	G	-	X	X	X	X	X	X	F	G	G
Nitrogen Gas	G	G	G	G	G	G	G	G	G	G	G	G	-	G	G	G	G	G
Nitrous Oxide	G	G	X	X	X	X	G	G	F	X	X	G	X	X	X	G	G	G
Oleic Acid	G	G	F	F	F	X	G	G	G	F	F	X	G	F	G	F	F	G
Oleum (Fuming Sulfuric Acid)	X	X	X	X	X	X	G	G	X	X	X	X	X	X	X	X	F	G

NATIONAL HOSE

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FLUID	HOSE MATERIAL														METALS			
	UHMW	XLPE	PVC	Nitrile	Vinyl Nitrile	Neoprene	Teflon (PTFE)	Teflon (FEP)	Nylon 6/66 Nylall	EPDM	Hypalon	Natural Rubber/SBR	Hytrel	Polyurethane	CPE	Brass	Steel	316 Stainless
Oxalic Acid	G	G	G	X	X	X	G	G	X	G	X	X	X	-	G	F	X	G
Oxygen (non-breathing, non-welding)	G	G	G	F	F	G	G	G	G	G	G	F	G	G	G	G	G	G
Ozone (300 ppm)	F	F	X	X	X	X	G	G	X	G	G	X	X	G	G	-	F	G
Paint (Solvent Base)	G	G	X	F	F	X	G	G	G	X	X	X	-	X	-	G	G	G
Palmitic Acid	G	G	F	F	F	F	G	G	G	F	X	X	G	X	G	X	F	F
Paper Mill liquors	G	G	X	F	F	F	G	G	X	G	F	F	X	X	-	-	-	-
Pentane	G	G	X	G	G	F	G	G	-	X	F	X	G	X	G	G	G	G
Perchloroethylene	G*	G*	X	X	X	X	G	G	G	X	X	X	X	X	X	F	G	G
Petroleum Ether	G	G	X	G	F	X	G	G	G	X	X	X	-	G	G	G	G	G
Petroleum Oils	G	G	G	G	G	F	G	G	G	X	F	X	G	G	G	G	G	G
Phenol	G	G	X	X	X	X	G	G	X	X	X	X	X	-	G	F	X	F
Phosphoric Acid (to 85%)	G	G	G	X	X	F	G	G	X	G	G	F	X	X	X	X	X	F
Picric Acid (Molten)	X	X	X	X	X	X	G	G	X	X	F	X	X	X	X	X	X	F
Picric Acid (Solution)	G	G	X	F	F	X	G	G	X	F	G	X	X	F	X	X	X	F
Potassium Chloride	G	G	G	G	G	G	G	G	G	G	G	G	-	G	G	F	X	G
Potassium Cyanide	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	X	G	G
Potassium Dichromate	G	G	G	X	X	X	G	G	-	G	X	X	-	G	G	X	G	G
Potassium Hydroxide	G	G	G	F	F	F	G	G	F	G	G	G	F	X	G	F	X	G
Potassium Permanganate	G	G	G	X	X	X	G	G	X	G	G	G	X	X	-	-	-	-
Potassium Sulfate	G	G	G	G	G	G	G	G	G	G	G	G	-	G	G	F	F	G
Propane Liquid***	-	-	-	G	-	-	-	G	-	-	-	-	-	-	-	G	G	G
Propylene Glycol	G	G	F	G	F	G	G	G	-	G	G	G	G	-	G	F	G	G
Pyridine	G	G	X	X	X	X	G	G	X	F	X	X	X	X	X	F	G	G
Sea Water	G	G	G	G	G	G	G	G	G	G	G	G	G	X	G	G	F	G
Silver Nitrate	G	G	G	G	G	G	G	G	G	G	G	G	-	G	-	X	X	F
Skydrol	G	G	X	X	X	X	G	G	G	G	X	X	-	X	G	G	G	G
Soap Solution	G	G	G	G	G	F	G	G	G	G	G	X	G	G	G	G	G	G
Sodium Bicarbonate	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	F	F	G
Sodium Bisulfate	G	G	G	G	G	G	G	G	G	G	G	G	X	G	G	F	F	F
Sodium Bisulfite	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	F	X	G
Sodium Borate	G	G	G	G	G	G	G	G	G	G	G	G	G	G	-	G	G	G
Sodium Carbonate	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	X	G	G
Sodium Chloride	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	X	F	G
Sodium Cyanide	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	X	F	G
Sodium Hydroxide	G	G	G	F	F	G	G	G	F	G	G	G	-	X	F	F	X	G
Sodium Hypochlorite	G	G	G	X	X	X	G	G	X	G	G	X	G	X	F	X	X	F
Sodium Nitrate	G	G	G	G	G	F	G	G	G	G	G	G	G	F	G	F	G	G
Sodium Perborate	G	G	G	G	G	X	G	G	F	G	X	G	G	X	X	F	F	G
Sodium Peroxide	G	G	X	F	F	F	G	G	X	G	F	X	G	X	X	X	F	G
Sodium Phosphates	G	G	G	G	G	F	G	G	G	G	G	G	G	G	X	F	F	F
Sodium Silicate	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	F	F	G

G-Good F-Fair

X-Not Recommended

- - Insufficient Information

* For intermittent transfer only

FLUID	HOSE MATERIAL															METALS		
	UHMW	XLPE	PVC	Nitrile	Vinyl Nitrile	Neoprene	Teflon (PTFE)	Teflon (FEP)	Nylon 6/66 Nyal	EPDM	Hypalon	Natural Rubber/SBR	Hytrel	Polyurethane	CPE	Brass	Steel	316 Stainless
Sodium Sulfate	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	F	F	G
Sodium Sulfide	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	X	X	G
Sodium Thiosulfate	G	G	G	G	G	G	G	G	G	G	G	G	-	G	G	X	X	G
Soybean Oil	G	G	F	G	G	F	G	G	-	F	G	X	G	G	G	G	G	G
Stannic Chloride	G	G	G	G	G	X	G	G	X	G	G	G	G	G	G	X	X	X
Steam 450° F	X	X	X	X	X	X	G	G	X	G	X	X	X	X	X	F	F	G
Stearic Acid	G	G	F	F	F	F	G	G	G	F	F	X	G	G	G	X	X	G
Stoddard Solvent	G	G	X	G	G	F	G	G	G	X	X	X	G	G	G	G	G	G
Styrene	G*	G*	X	X	X	X	G	G	G	X	X	X	X	X	X	G	G	G
Sulfur 70° F	G	G	F	X	X	G	G	G	G	G	G	X	G	F	G	X	X	G
Sulfur 200° F	X	X	X	X	X	X	G	G	X	X	G	X	X	X	X	X	X	G
Sulfur Chloride	G	G	X	X	X	X	G	G	X	X	F	X	X	X	G	X	X	X
Sulfur Dioxide	X	X	X	X	X	X	G	G	X	G	X	X	X	X	X	X	-	G
Sulfuric Acid (under 50%)	G	G	G	X	X	X	G	G	X	G	G	X	X	X	X	X	X	X
Sulfuric Acid (51% to 70%)	G	G	G	X	X	X	G	G	X	F	G	X	X	X	X	X	X	X
Sulfuric Acid (71% to 95%)	G	F	X	X	X	X	G	G	X	F	F	X	X	X	X	X	X	X
Sulfuric Acid (96% to 98%)	G	X	X	X	X	X	G	G	X	X	X	X	X	X	X	X	X	X
Tannic Acid	G	G	G	F	F	F	G	G	X	G	G	G	G	G	G	F	X	G
Tar	X	X	X	F	F	F	G	G	G	X	X	X	G	F	F	F	F	G
Tartaric Acid	G	G	G	G	G	F	G	G	G	G	G	G	-	G	G	F	X	F
Tetrachloroethane	G*	G*	X	X	X	X	G	G	-	X	X	X	X	X	X	-	-	G
Tetrahydrofuran (THF)	G	G	X	X	X	X	G	G	-	X	X	X	-	X	-	-	-	G
Toluene	G*	G*	X	X	X	X	G	G	G	X	X	X	X	X	X	G	G	G
Transmission Oil (Petrol. Base)	G	G	G	G	G	F	G	G	G	X	F	X	G	G	G	G	G	G
Trichloroethane	G*	G*	X	X	X	X	G	G	G	X	X	X	X	X	X	G	G	G
Trichloroethylene	G*	G*	X	X	X	X	G	G	G	X	X	X	X	X	X	G	G	G
Tung Oil	G	G	-	G	G	F	G	G	-	X	F	X	G	F	X	F	G	G
Turpentine	G	G	X	F	F	X	G	G	G	X	X	X	F	X	F	F	G	G
Urea (Water Solution)	G	G	G	X	X	G	G	G	G	G	G	G	G	G	G	-	G	G
Uric Acid	G	G	G	-	-	-	G	G	G	-	-	-	X	X	-	-	-	F
Varnish	G	G	X	X	X	X	G	G	G	X	X	X	-	X	F	G	G	G
Vegetable Oil (Non-food)	G	G	F	G	G	X	G	G	G	X	G	X	-	G	-	G	G	G
Vinegar	G	G	G	F	F	G	G	G	X	G	G	F	-	X	F	X	F	G
Vinyl Acetate	G	G	X	X	X	X	G	G	-	F	X	X	-	X	-	F	G	G
Water (non-potable)	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	F	F	G
Water - Glycol Mixture	G	G	X	G	G	G	G	G	G	G	X	F	X	X	G	G	G	G
Water - Petroleum Mixture	G	G	-	G	G	F	G	G	G	X	F	X	G	X	G	G	G	G
Xylene	G*	G*	X	X	X	X	G	G	G	X	X	X	F	X	X	G	G	G
Zinc Chloride	G	G	G	G	G	G	G	G	X	G	G	G	X	G	X	X	X	X
Zinc Sulfate	G	G	G	G	G	G	G	G	G	G	G	G	-	G	X	X	X	G

NATIONAL HOSE

Chemical Compatibility Chart

The chart below shows the general characteristics of some of the common rubber compounds. Elastomers are mixed with various chemicals to provide a wide range of physical properties for specific service needs.

ASTM DESIGNATION	COMMON NAME	COMPOSITION	GENERAL PROPERTIES
CR	Neoprene	Chloroprene	<ul style="list-style-type: none"> . Good abrasion . Good weathering resistance . Good oil resistance . Flame retarding
NBR	Nitrile (Buna-N)	Acrylonitrile-butadiene	<ul style="list-style-type: none"> . Excellent oil resistance . Moderate resistance to aromatics
IR	Butyl	Isobutylene-isoprene	<ul style="list-style-type: none"> . Excellent ozone resistance . Good resistance to fire resistant fluids . Good heat resistance . Low permeability . Poor resistance to petroleum fluids
CIIR	Chlorinated Butyl	Chloro-isobutene-isoprene	<ul style="list-style-type: none"> . Same as Butyl
SBR	SBR	Styrene-butadiene	<ul style="list-style-type: none"> . Good abrasion resistance . Poor resistance to petroleum fluids
EPDM	EPDM	Ethylene-propylene diene terpolymer	<ul style="list-style-type: none"> . Excellent ozone resistance . Good chemical resistance . Good temperature resistance . Poor resistance to petroleum fluids
XLPE	Cross-Linked Polyethylene	Polyethylene & cross linking agents	<ul style="list-style-type: none"> . Excellent chemical resistance
PA	Nylon	Polymide	<ul style="list-style-type: none"> . Good abrasion resistance . Good chemical resistance . Low coefficient of friction
CSM	Hypalon	Chloro-sulfonated Polyethylene	<ul style="list-style-type: none"> . Excellent ozone resistance . Good abrasion resistance . Good heat resistance . Fair petroleum qualities
NR	Natural Rubber	Polyisoprene	<ul style="list-style-type: none"> . Excellent abrasion resistance . Acid resistance . Not oil resistant
V-NBR	Vinyl Nitrile	PVC/NBR	<ul style="list-style-type: none"> . Good ozone resistance . Good resistance to animal fats & oils . Good petroleum resistance
UHMWPE	Ultra-high molecular weight polyethylene	Polyethylene	<ul style="list-style-type: none"> . Excellent chemical resistance . Moderate heat resistance . FDA-accepted material
CM	CPE	Chlorinated Polyethylene	<ul style="list-style-type: none"> . Excellent ozone resistance . Excellent weathering resistance . Good abrasion resistance . Good heat resistance . Good resistance to petroleum oils
XNBR	Carboxylated Nitrile	Carboxylated Acrylonitrile-butadiene	<ul style="list-style-type: none"> . Excellent abrasion resistance . Excellent oil resistance . Excellent weather resistance
PTFE	Teflon®	Polytetrafluoroethylene	<ul style="list-style-type: none"> . Excellent temperature resistance . Excellent chemical resistance . FDA accepted material . Low Coefficient of friction for high flow rates and easy cleaning . Excellent resistance to thermocycling
PVC	PVC	Polyvinylchloride	<ul style="list-style-type: none"> . Resistant to many chemicals . Good Flexibility

STEAM HOSE

STEAM - ITS EFFECTS ON HOSE

"The hose must be faulty" is the usual reaction when steam hose fails in service, especially when, on the same application, the same type of hose has given satisfactory service.

Explaining why can be very difficult, but experience has shown that such examples of sudden failure are rarely due to defective hose. In most cases, failure can be the result of changing conditions of steam - a temporary condition of superheated steam in a saturated steam line can quickly deteriorate the lining of a steam hose which can either harden or soften, and cause failure.

To understand the problem let us start at the beginning. One of the first points is steam is an invisible gas and cannot be seen. What is seen issuing from the spout of a boiling kettle is not steam, but water vapour.

The temperature at which water boils depends upon the vessel containing the water. At normal atmospheric pressure, water boils at temperature of 100 degrees celsius. As more heat is added steam is generated but the water remains at the same temperature. Under these conditions moisture can be present in the steam which is known as "**wet saturated steam**" or simply **wet steam**.

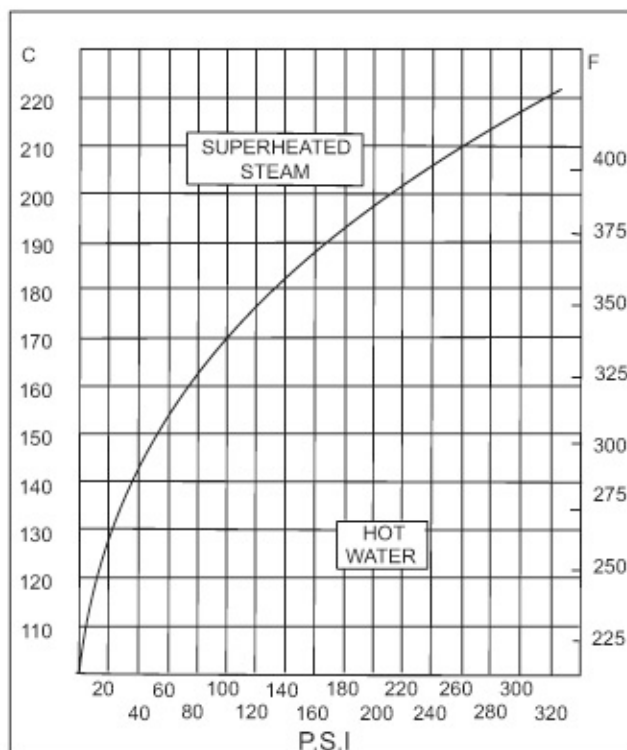
As more heat is added all the water will be converted into steam which is known as **dry saturated steam** - still at atmospheric pressure and with a temperature of 100 degrees celsius.

If even more heat is added the temperature of the dry saturated steam will be increased and is known as **superheated steam** or **dry steam**. The word 'superheated' is used because its temperature is higher than that at which the water boils. This process does not conform to an invariable pressure / temperature relationship, as applies in the generation of saturated steam and it is possible for superheated steam to exist at a wide range of temperatures in relation to a particular pressure. But steam is almost always generated, and carried, at higher than atmospheric pressures and we know that the effect of increasing the pressure on the water is to increase its boiling point. For example at gauge pressure of 70 P.S.I. it is 158 degrees Celsius and at 150 P.S.I., 185 degrees celsius.

- In the chart to the right, the black line represents the temperature at which water boils, or at which steam is generated.
- Consequently any point on this line represents **saturated steam** - which may be completely free of unvapourized particles of water, known as 'dry', or carry such particles as 'wet'.
- Any point in the zone below the line represents hot water.
- Any point in the zone above the line represent **superheated steam**.

MAINTENANCE OF STEAM HOSE

- 1) Periodic inspection of hose should include looking for cover blisters and lumps.
- 2) Check for kinked areas that could damage hose.
- 3) Drain hose after each use to avoid tube damage before hose is put back in operation, to avoid "popcorning" of the tube.
- 4) Check tightness of clamp bolts after each use.
- 5) Check to see if clamp halves are touching. If they do, recouple hose with smaller clamps to insure proper tightness or grip around hose.
- 6) Do not store hose over hooks.
- 7) Steam hose lying on metal racks or installed around steel piping will dry out the hose, causing tube and cover cracking.
- 8) For service in sub-zero application, use only Chlorobutyl hose.





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