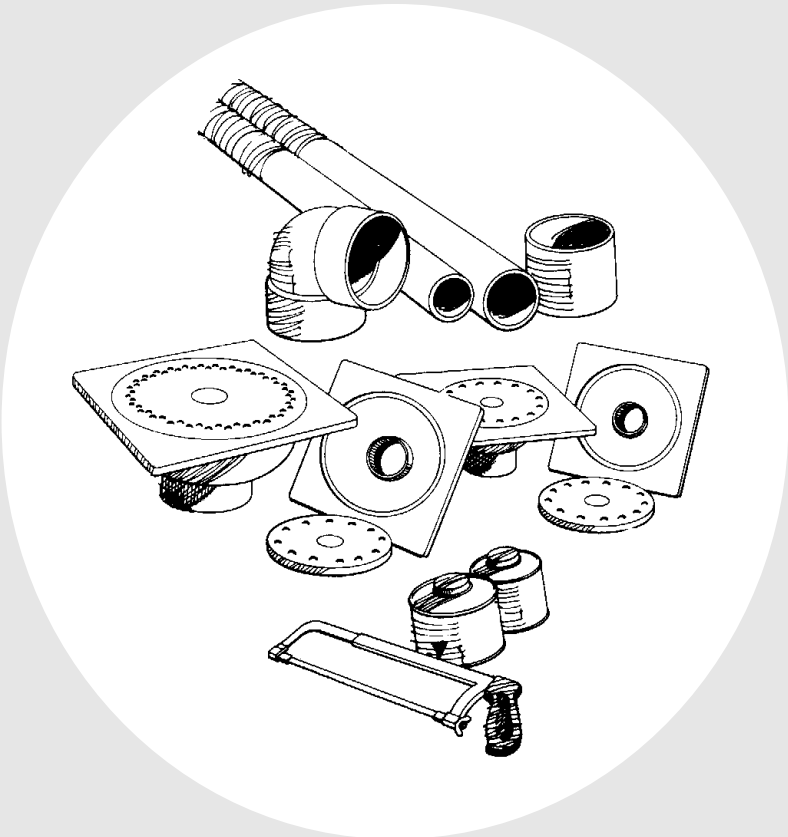
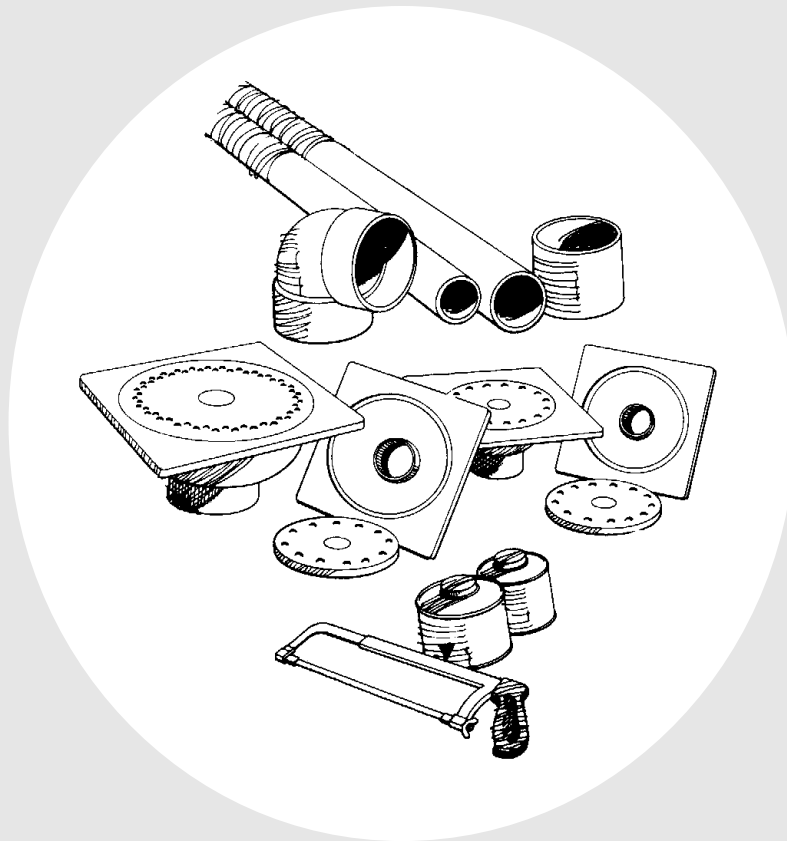



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


PVC SCHEDULE 40 PRESSURE FITTINGS


SIZE	FIG. NO.	PRICE
TEE (SXSXS)		
		
1/2	401-005	
3/4	401-007	
1	401-010	
1 1/4	401-012	
1 1/2	401-015	
2	401-020	
2 1/2	401-025	
3	401-030	
4	401-040	
5	401-050	
6	401-060	
8	401-080	


SIZE	FIG. NO.	PRICE
TEE (SXSXT)		
		
1/2	402-005	
3/4	402-007	
1	402-010	
1 1/4	402-012	
1 1/2	402-015	
2	402-020	


SIZE	FIG. NO.	PRICE
REDUCING TEE (SXSXT)		
		
3/4X3/4X1/2	402-101	
1X1X1/2	402-130	
1X1X3/4	402-131	
1 1/4X1 1/4X1	402-168	
1 1/2X1 1/2X1/2	402-209	
1 1/2X1 1/2X3/4	402-210	
1 1/2X1 1/2X1	402-211	
2X2X3/4	402-248	
2X2X1	402-249	
2X2X1 1/2	402-251	
2 1/2X2 1/2X3/4	402-288	
4X4X3	402-422	
6X6X3	402-530	


SIZE	FIG. NO.	PRICE
REDUCING TEE (SXSXS)		
		
3/4x1/2x1/2	401-094	
3/4x1/2x3/4	401-095	
3/4x3/4x1/2	401-101	
1x3/4x1/2	401-124	
1x1x1/2	401-130	
1x1x3/4	401-131	
1x1x1 1/2	401-133	
1 1/4x1x1	401-158	
1 1/4x1 1/4 x 1	401-168	
1 1/4x1 1/4x2	401-170	
1 1/2x1 1/2x1/2	401-209	
1 1/2x1 1/2x3/4	401-210	
1 1/2x1 1/2x1	401-211	
1 1/2x1 1/2x1 1/4	401-212	
2x2x1/2	401-247	
2x2x3/4	401-248	
2x2x1 1/2	401-251	
2 1/2x2 1/2x1	401-289	
3x3x1	401-335	
3x3x1 1/4	401-336	
3x3x1 1/2	401-337	
3x3x2	401-338	
4x4x3/4	401-416	
4x4x2	401-420	
4x4x3	401-422	
6x6x2	401-528	
6x6x3	401-530	
6x6x4	401-532	
8x8x4	401-582	





SIZE	FIG. NO.	PRICE
90° ELL (SXS)		
		
1/2	406-005	
3/4	406-007	
1	406-010	
1 1/4	406-012	
1 1/2	406-015	
2	406-020	
2 1/2	406-025	
3	406-030	
4	406-040	
5	406-050	
6	406-060	
8	406-080	

SIZE	FIG. NO.	PRICE
90° REDUCING ELL (SXS)		
		
3/4 X 1/2	406-101	
1 X 1/2	406-130	
1 X 3/4	406-131	
1 1/4 X 1	406-168	
1 1/2 X 1	406-211	

SIZE	FIG. NO.	PRICE
90° ELL (SXT)		
		
1/2	407-005	
3/4	407-007	
1	407-010	
1 1/4	407-012	
1 1/2	407-015	
2	407-020	

SIZE	FIG. NO.	PRICE
90° REDUCING ELL (SXT)		
		
1/2 X 3/4	407-074	
3/4 X 1/2	407-101	
1 X 1/2	407-130	
1 X 3/4	407-131	
1 1/4 X 1	407-168	
1 1/2 X 1	407-211	

SIZE	FIG. NO.	PRICE
90° ELL (TXT)		
		
1/2	408-005	
3/4	408-007	
1	408-010	
1 1/4	408-012	

SIZE	FIG. NO.	PRICE
90° STREET ELL (SPGXS)		
		
1/2	409-005	
3/4	409-007	
1	409-010	
1 1/4	409-012	
1 1/2	409-015	
2	409-020	


PVC PIPE SCHEDULE 40 NSF


NOM PIPE SIZE	OD	AVG ID	MAX WP PSI	FIG. NO.	PRICE PER LENGTH
1/2	.840	.608	600	11420	
3/4	1.050	.810	480	11425	
1	1.315	1.033	450	11428	
1 1/4	1.660	1.364	370	11431	
1 1/2	1.900	1.592	330	11433	
2	2.375	2.049	280	11435	
2 1/2	2.875	2.445	300	11437	
3	3.500	3.042	260	11438	
4	4.500	3.998	220	11439	
5	5.563	5.017	190	11440	
6	6.625	6.031	180	11441	
8	8.625	7.943	160	11442	
10	10.750	9.976	140	11443	
12	12.750	11.890	130	17755	

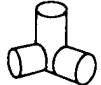
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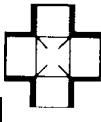
PVC SCHEDULE 40 PRESSURE FITTINGS


	SIZE	FIG. NO.	PRICE
	1/2	410-005	
	3/4	410-007	
	1	410-010	
	1 1/4	410-012	
	1 1/2	410-015	
	2	410-020	


	SIZE	FIG. NO.	PRICE
	1/2	412-005	
	3/4	412-007	
	1	412-010	
	1 1/4	412-012	
	1 1/2	412-015	
	2	412-020	


	SIZE	FIG. NO.	PRICE
	1/2	414-005	
	:X:X2	414-101	
	1X1X1/2	414-130	


	SIZE	FIG. NO.	PRICE
	1/2	417-005	
	3/4	417-007	
	1	417-010	
	1 1/4	417-012	
	1 1/2	417-015	
	2	417-020	
	2 1/2	417-025	
	3	417-030	
	4	417-040	
5	417-050		
6	417-060		
8	417-080		


	SIZE	FIG. NO.	PRICE
	1/2	420-005	
	3/4	420-007	
	1	420-010	
	1 1/4	420-012	
	1 1/2	420-015	
	2	420-020	


	SIZE	FIG. NO.	PRICE
	1/2	429-005	
	3/4	429-007	
	1	429-010	
	1 1/4	429-012	
	1 1/2	429-015	
	2	429-020	
	2 1/2	429-025	
	3	429-030	
	4	429-040	
	5	429-050	
	6	429-060	
	8	429-080	
	3/4x1/2	429-101	
1x3/4	429-131		


	SIZE	FIG. NO.	PRICE
	1/2	430-005	
	3/4	430-007	
	1	430-010	


	SIZE	FIG. NO.	PRICE
	1/2	435-005	
	3/4	435-007	
	1	435-010	
	1 1/4	435-012	
	1 1/2	435-015	
	2	435-020	
	2 1/2	435-025	
	3	435-030	
	4	435-040	
	5	435-050	
	6	435-060	
	8	435-080	

	SIZE	FIG. NO.	PRICE
	3/4X1/2	435-101	
	3/4X1	435-102	
	1X3/4	435-131	

	SIZE	FIG. NO.	PRICE
	1/2	436-005	
	3/4	436-007	
	1	436-010	
	1 1/4	436-012	
	1 1/2	436-015	
	2	436-020	
	2 1/2	436-025	
	3	436-030	
	4	436-040	
	5	436-050	
	6	436-060	

	SIZE	FIG. NO.	PRICE
	1/2X3/4	436-074	
	3/4X1/2	436-101	
	3/4X1	436-102	
	1X3/4	436-131	
	1X1 1/4	436-132	
	1 1/4X1	436-168	
	1 1/4X1 1/2	436-169	
	1 1/2X1 1/4	439-212	
	1 1/2X2	436-213	
	2X1 1/2X3	436-251	
	4	436-342	

	SIZE	FIG. NO.	PRICE
	3/4X1/2	437-101	
	1X1/2	437-130	
	1X3/4	437-131	
	1 1/4x1/2	437-166	
	1 1/4x3/4	437-167	
	1 1/4X1	437-168	
	1 1/2X1/2	437-209	
	1 1/2x3/4	437-210	
	1 1/2X1	437-211	
	1 1/2X1 1/4	437-212	
	2X1/2	437-247	
	2X3/4	437-248	
	2X1	437-249	
	2X1 1/4	437-250	
	2X1 1/2	437-251	
	2 1/2X3/4	437-288	
	2 1/2X1	437-289	
	2 1/2X1 1/4	437-290	
	2 1/2X1 1/2	437-291	
	2 1/2X2	437-292	
	3X1	437-335	
	3X1 1/4	437-336	
	3X1 1/2	437-337	
	3X2	437-338	
	3X2 1/2	437-339	
	4X2	437-420	
	4X2 1/2	437-421	
	4X3	437-422	
	5X4	437-490	
	6X4	437-532	
	6X5	437-534	
8X4	437-582		
8X6	437-585		

	SIZE	FIG. NO.	PRICE
	1/2X1/2	434-005	



PVC SCHEDULE 40 PRESSURE FITTINGS

REDUCER BUSHING (SPGX1)



SIZE	FIG. NO.	PRICE
1/2X1/4	438-072	
1/2x3/8	438-073	
3/4x1/4	438-098	
3/4x1/2	438-101	
1x1/2	438-130	
1x3/4	438-131	
1 1/4x1/2	438-166	
1 1/4x3/4	438-167	
1 1/4x1	438-168	
1 1/2x1/2	438-209	
1 1/2x3/4	438-210	
1 1/2x1	438-211	
1 1/2x1 1/4	438-212	
2x1/2	438-247	
2x3/4	438-248	
2x1	438-249	
2x1 1/4	438-250	
2x1 1/2	438-251	
2 1/2x1 1/2	438-291	
2 1/2x2	438-292	
3x3/4	438-334	
3x1	438-335	
3x2	438-338	
3x2 1/2	438-339	
4x2	438-420	
4x2 1/2	438-421	
4x3	438-422	
6x4	438-532	

REDUCER BUSHING (MTXT)



1/2x3/8	439-073
3/4x1/2	439-101
1x3/4	439-131
1 1/4x3/4	439-167
1 1/4x1	439-168
1 1/2x1/2	439-209
1 1/2x3/4	439-210
1 1/2x1	439-211
1 1/2x1 1/4	439-212
2X1	439-249
2x1 1/2	439-251

BUSHING FLUSH STYLE (SPGXS)



3/4x1/2	437-101
1x3/4	437-131
1 1/2x1 1/4	437-212
2x1 1/2	437-251

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CAPS (SLIP)



SIZE	FIG. NO.	PRICE
1/2	447-005	
3/4	447-007	
1	447-010	
1 1/4	447-012	
1 1/2	447-015	
2	447-020	
1 1/2	447-025	
3	447-030	
4	447-040	
5	447-050	
6	447-060	
8	447-080	

CAPS (THREADED)



1/2	448-005
3/4	448-007
1	448-010
1 1/4	448-012
1 1/2	448-015
2	448-020
2 1/2	448-025
3	448-030
4	448-040
5	448-050
6	448-060
8	448-080

PLUG (SPG)



1/2	449-005
3/4	449-007
1	449-010
1 1/4	449-012
1 1/2	449-015
2	449-020
3	449-030
4	449-040

PLUG (MT)



1/2	450-005
3/4	450-007
1	450-010
1 1/4	450-012
1 1/2	450-015
2	450-020
2 1/2	450-025
3	450-030
4	450-040

COUPLING LONG SOCKET sxs



1/2	479-005
1 1/2	482-015
2	482-020
2 1/2	482-025
3	482-030
4	482-040

FITTING THREAD ADA (SPGXFT)



1/2	478-005
3/4	478-007
1	478-010
1 1/2	478-015
2	478-020
4	478-040

CONDENSATE TRAP

Running Trap



3/4 15793

P-Trap




3/4 15826


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PVC SCHEDULE 80 PRESSURE FITTINGS


SIZE	FIG. NO.	PRICE
TEE (SXSXS)		
	1/4	801-002
	3/8	801-003
	1/2	801-005
	3/4	801-007
	1	801-010
	1 1/4	801-012
	1 1/2	801-015
	2	801-020
	2 1/2	801-025
	3	801-030
	4	801-040
	6	801-060
	8	801-080


SIZE	FIG. NO.	PRICE
REDUCING TEE (SXSXS)		
	4X4X2	801-420
	6X6X4	801-532
	8X8X6	801-585


SIZE	FIG. NO.	PRICE
TEE (SXSXT)		
	1/2	802-005
	3/4	802-007
	1	802-010


SIZE	FIG. NO.	PRICE
TEE (TXTXT)		
	1/4	805-002
	3/8	805-003
	1/2	805-005
	3/4	805-007
	1	805-010
	1 1/4	805-012
	1 1/2	805-015
	2	805-020
	2 1/2	805-025
	3	805-030
	4	805-040


SIZE	FIG. NO.	PRICE
90° ELL (SXS)		
	1/4	806-002
	3/8	806-003
	1/2	806-005
	3/4	806-007
	1	806-010
	1 1/4	806-012
	1 1/2	806-015
	2	806-020
	2 1/2	806-025
	3	806-030
	4	806-040
	6	806-060
	8	806-080


SIZE	FIG. NO.	PRICE
90° ELL (SXFIPT)		
	1/2	807-005
	3/4	807-007
	1	807-010
	1 1/4	807-012
	1 1/2	807-015
	2	807-020
	3	807-030


SIZE	FIG. NO.	PRICE
90° ELL (TXT)		
	1/4	808-002
	3/8	808-003
	1/2	808-005
	3/4	808-007
	1	808-010
	1 1/4	808-012
	1 1/2	808-015
	2	808-020
	2 1/2	808-025
	3	808-030
	4	808-040


SIZE	FIG. NO.	PRICE
45° ELL (SXS)		
	1/4	817-002
	3/8	817-003
	1/2	817-005
	3/4	817-007
	1	817-010
	1 1/4	817-012
	1 1/2	817-015
	2	817-020
	2 1/2	817-025
	3	817-030
	4	817-040
	6	817-060
	8	817-080


SIZE	FIG. NO.	PRICE
45° ELL (TXT)		
	1/4	819-002
	3/8	819-003
	1/2	819-005
	3/4	819-007
	1	819-010
	1 1/4	819-012
	1 1/2	819-015
	2	819-020
	3	819-030
	4	819-040


SIZE	FIG. NO.	PRICE
COUPLING (SXS)		
	1/4	829-002
	3/8	829-003
	1/2	829-005
	3/4	829-007
	1	829-010
	1 1/4	829-012
	1 1/2	829-015

SIZE	FIG. NO.	PRICE
COUPLING (SXS) CONTINUED		
	2	829-020
	2 1/2	829-025
	3	829-030
	4	829-040
	6	829-060
	8	829-080


SIZE	FIG. NO.	PRICE
REDUCER COUPLING (SXS)		
	3/4X1/2	829-101
	1X1/2	829-130
	1X3/4	829-131
	1 1/4X1	829-168
	1 1/2X1	829-211
	1 1/2X1 1/4	829-212
	2X1 1/2	829-251
	3X2	829-338
	4X3	829-422
	6X4	829-532
	8X6	829-585


SIZE	FIG. NO.	PRICE
COUPLING (TXT)		
	1/4	830-002
	3/8	830-003
	1/2	830-005
	3/4	830-007
	1	830-010
	1 1/4	830-012
	1 1/2	830-015
	2	830-020
	2 1/2	830-025
	3	830-030
	4	830-040


SIZE	FIG. NO.	PRICE
REDUCER COUPLING (TXT)		
	3/8X1/4	52758
	1/2X1/4	52759
	3/4X1/2	57854
	1X1/2	57855
	1X3/4	57856
	1 1/4X3/4	52761
	1 1/2X1	52764
	2X1 1/2	52767


SIZE	FIG. NO.	PRICE
FEMALE ADAPTER (SXT)		
	1/4	835-002
	3/8	835-003
	1/2	835-005
	3/4	835-007
	1	835-010
	1 1/4	835-012
	1 1/2	835-015
	2	835-020
	2 1/2	835-025
	3	835-030
	4	835-040


PVC SCHEDULE 80 PRESSURE FITTINGS


SIZE	FIG. NO.	PRICE
REDUCER BUSHING (SpXS)		
	12/X1/4	837-072
	1/2X3/8	837-073
	3/4X1/2	837-101
	1X1/2	837-130
	1X3/4	837-131
	1 1/4X3/4	837-167
	1 1/4X1	837-168
	1 1/2X1/2	837-209
	1 1/2X3/4	837-210
	1 1/2X1	837-211
	1 1/2X1 1/4	837-212
	2X1/2	837-247
	2X3/4	837-248
	2X1	837-249
	2X1 1/4	837-250
	2X1 1/2	837-251
	2 1/2X1 1/2	837-291
	2 1/2X2	837-292
	3X2	837-338
	3X2 1/2	837-339
	4X2	837-420
	4X3	837-422
	6X4	837-532


REDUCER BUSHING (SpXT)		
	3/8X1/4	838-052
	1/2X1/4	838-072
	1/2X3/8	838-073
	3/4X1/2	838-101
	1X1/2	838-130
	1X3/4	838-131
	1 1/4X1/2	838-166
	1 1/4X3/4	838-167
	1 1/4X1	838-168
	1 1/2X1/2	838-209
	1 1/2X3/4	838-210
	1 1/2X1	838-211
	1 1/2X1 1/4	838-212
	2X1/2	838-247
	2X3/4	838-248
	2X1	838-249
	2X1 1/4	838-250
	2X1 1/2	838-251
	2 1/2X1 1/2	838-291
	2 1/2X2	838-292
	3X2	838-338
	3X2 1/2	838-339
	4X2	838-420


REDUCER BUSHING (TXT)		
	3/8X1/4	839-052
	1/2X1/4	839-072
	1/2X3/8	839-073
	3/4X1/4	839-098
	3/4X3/8	839-099
	3/4X1/2	839-101
	1X1/4	839-128
	1X1/2	839-130
	1X3/4	839-131
	1 1/4X1/2	839-166
	1 1/4X3/4	839-167


SIZE	FIG. NO.	PRICE
REDUCER BUSHING (TXT) CONT'D		
	1 1/4X1	839-168
	1 1/2X3/4	839-210
	1 1/2X1	839-211
	1 1/2X1 1/4	839-212
	2X1/2	839-247
	2X3/4	839-248
	2X1	839-249
	2X1 1/4	839-250
	2X1 1/2	839-251
	3X2	839-338
	4X2	839-420
	4X3	839-422


CAPS (S)		
	1/4	847-002
	3/8	847-003
	1/2	847-005
	3/4	847-007
	1	847-010
	1 1/4	847-012
	1 1/2	847-015
	2	847-020
	2 1/2	847-025
	3	847-030
	4	847-040
	6	847-060
	8	847-080


CAPS (T)		
	1/4	848-002
	3/8	848-003
	1/2	848-005
	3/4	848-007
	1	848-010
	1 1/4	848-012
	1 1/2	848-015
	2	848-020
	2 1/2	848-025
	3	848-030
	4	848-040

PLUG (Sp)		
	2	849-020

PLUG (MT)		
	1/4	850-002
	3/8	850-003
	1/2	850-005
	3/4	850-007
	1	850-010
	1 1/4	850-012
	1 1/2	850-015
	2	850-020
	3	850-030
	4	850-040

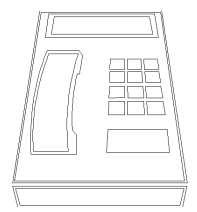
SIZE	FIG. NO.	PRICE
FLANGE (Blind)		
	1 1/2	853-015
	2	853-020
	3	853-030
	4	853-040

VAN STONE FLANGE (S)		
	1/2	854-005
	3/4	854-007
	1	854-010
	1 1/4	854-012
	1 1/2	854-015
	2	854-020
	2 1/2	854-025
	3	854-030
	4	854-040
	6	854-060
	8	854-080
	10	854-100
	12	854-120

VAN STONE FLANGE (T)		
	1/2	855-005
	3/4	855-007
	1	855-010
	1 1/4	855-012
	1 1/2	855-015
	2	855-020
	22	855-025
	3	855-030
	4	855-040

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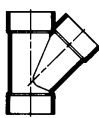
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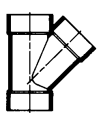
PVC SCHEDULE 80 PRESSURE FITTINGS

SIZE	FIG. NO.	PRICE
VAN STONE FLANGE (SPG)		
	1/2	856-005
	3/4	856-007
	1	856-010
	1 1/4	856-012
	1 1/2	856-015
	2	856-020
	2 1/2	856-025
	3	856-030
4	856-040	
6	856-060	
8	856-080	


SIZE	FIG. NO.	PRICE
45° WYE		
6X6X6	875-060	




SIZE	FIG. NO.	PRICE
45° REDUCING WYE		
6X6X4	876-532	




SIZE	FIG. NO.	PRICE
45° ELL		
6	817-060	




SIZE	FIG. NO.	PRICE
30° ELL		
6	815-060	




SIZE	FIG. NO.	PRICE
UNION O-RING (SXS)		
1/4	897-002	
3/8	897-003	
1/2	897-005	
3/4	897-007	
1	897-010	
1 1/4	897-012	
1 1/2	897-015	
2	897-020	
3	897-030	




SIZE	FIG. NO.	PRICE
UNION O-RING (TXT)		
1/4	898-002	
3/8	898-003	
1/2	898-005	
3/4	898-007	
1	898-010	
1 1/4	898-012	
1 1/2	898-015	
2	898-020	
3	898-030	



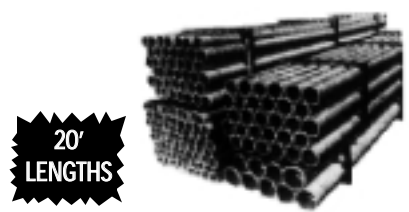
SIZE	FIG. NO.	PRICE
WYE STRAINER (SXS)		
SLIP		
1/4	43692	
3/8	43693	
1/2	38775	
3/4	38776	
1	38777	
1 1/4	38778	
1 1/2	38779	
2	38780	
THREADED		
1/2	33773	
3/4	33774	
1	33775	
1 1/4	33776	
1 1/2	33777	
2	33778	



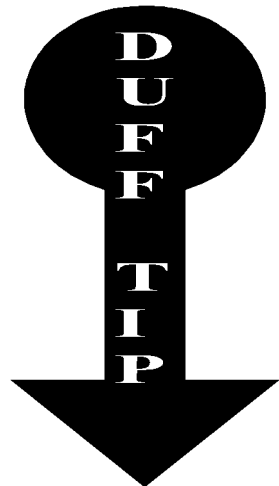
**FOR A
COMPLETE
LISTING
OF
SOLVENTS,
PLEASE
SEE
PAGE 608**



SCHEDULE 80 PVC PIPE



NOM PIPE SIZE	O.D.	AVE I.D.	MAX WP PSI	FIG. NO.	PRICE
1/8	.405	.203	1230	11492	
1/4	.540	.288	1130	11493	
3/8	.675	.407	920	11494	
1/2	.840	.528	850	11461	
3/4	1.050	.724	690	11462	
1	1.315	.935	630	11463	
1 1/4	1.660	1.256	520	11464	
1 1/2	1.900	1.476	470	11465	
2	2.375	1.913	400	11466	
2 1/2	2.875	2.289	420	11467	
3	3.500	2.864	370	11468	
4	4.500	3.786	320	11469	
5	5.563	4.767	290	38152	
6	6.625	5.709	280	11470	
8	8.625	7.565	250	11471	
10	10.750	9.492	230	47543	
12	12.750	11.294	230	47544	



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TO CHECK
YOUR SUPPLY
OF
PVC CLEANER
AND CEMENT!**

CPVC SCHEDULE 80 PRESSURE FITTINGS AND PIPE

SCHEDULE 80 HI-TEMP CPVC PIPE

**20'
LENGTHS**



Chlorinated Poly (vinyl chloride) CPVC - An industrial thermoplastic piping material which can be used for higher temperature applications.

CPVC retains its mechanical strength at higher temperatures

Compare: CPVC=200° F max

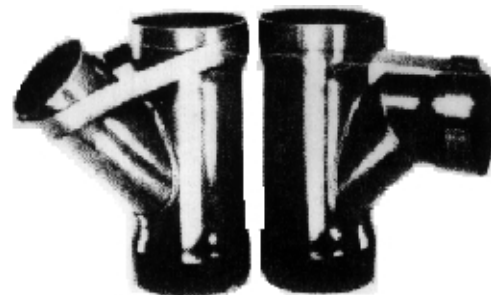
PVC=140° F max

NOMINAL PIPE SIZE	O.D.	AVERAGE I.D.	MAX WP PSI	FIG. NO.	PRICE
1/4	.540	.288	1130	9360	
3/8	.675	.407	915	9362	
1/2	.840	.528	850	9339	
3/4	1.050	.724	690	9341	
1	1.315	.935	630	9342	
1 1/4	1.660	1.256	520	9344	
1 1/2	1.900	1.476	470	9345	
2	2.375	1.913	400	9346	
2 1/2	2.875	2.289	425	71292	
3	3.500	2.864	375	9347	
4	4.500	3.786	320	9348	
6	6.625	5.709	270	52605	



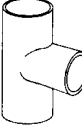
**DUFF KNOWS...
TIME IS MONEY!
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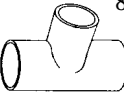
LARGE DIAMETER PVC
FABRICATED FITTINGS
8" THRU 24"





CALL TODAY WITH YOUR SPECIFICATIONS!

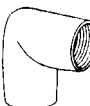
CPVC HEAVY DUTY SCHEDULE 80 PRESSURE FITTINGS


SIZE	FIG. NO.	PRICE
TEE (SXSXS)		
	1/2	9801-005
	3/4	9801-007
	1	9801-010
	1 1/4	9801-012
	1 1/2	9801-015
	2	9801-020
	2 1/2	9801-025
	3	9801-030
	4	9801-040
	6	9801-060
	8	9801-080

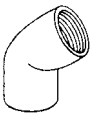
SIZE	FIG. NO.	PRICE
REDUCING TEE (SXSXS)		
	8X8X6	9801-585

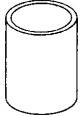
SIZE	FIG. NO.	PRICE
TEE (TXTXT)		
	1/4	9805-002
	3/8	9805-003
	1/2	9805-005
	3/4	9805-007
	1	9805-010
	1 1/4	9805-012
	1 1/2	9805-015
	2	9805-020


SIZE	FIG. NO.	PRICE
90° (SXS)		
	1/4	9806-002
	3/8	9806-003
	1/2	9806-005
	3/4	9806-007
	1	9806-010
	1 1/4	9806-012
	1 1/2	9806-015
	2	9806-020
	2 1/2	9806-025
	3	9806-030
	4	9806-040
	6	9806-060
	8	9806-080

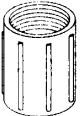
SIZE	FIG. NO.	PRICE
90° (TXT)		
	1/4	9808-002
	3/8	9808-003
	1/2	9808-005
	3/4	9808-007
	1	9808-010
	1 1/4	9808-012
	1 1/2	9808-015
	2	9808-020


SIZE	FIG. NO.	PRICE
45° ELL (SXS)		
	1/4	9817-002
	3/8	9817-003
	1/2	9817-005
	3/4	9817-007
	1	9817-010
	1 1/4	9817-012
	1 1/2	9817-015
	2	9817-020
	2 1/2	9817-025
	3	9817-030
	4	9817-040
	6	9817-060
	8	9817-080


SIZE	FIG. NO.	PRICE
45° ELL (TXT)		
	1/4	9819-002
	3/8	9819-003
	1/2	9819-005
	3/4	9819-007
	1	9819-010
	1 1/4	9819-012
	1 1/2	9819-015
	2	9819-020
	2 1/2	9819-025
	3	9819-030


SIZE	FIG. NO.	PRICE
COUPLING (SXS)		
	1/4	9829-002
	3/8	9829-003
	1/2	9829-005
	3/4	9829-007
	1	9829-010
	1 1/4	9829-012
	1 1/2	9829-015
	2	9829-020
	2 1/2	9829-025
	3	9829-030
	4	9829-040
	6	9829-060
	8	9829-080


SIZE	FIG. NO.	PRICE
REDUCER COUPLING (SXS)		
	1/2X1/4	9829-073
	3/4X1/2	9829-101
	1X1/2	9829-130
	1X3/4	9829-131
	1 1/2X1	9829-211
	1 1/2X1 1/4	9829-212
	2X1 1/2	9829-251
	3X2	9829-338
	4X3	9829-422
	8X6	9829-585

SIZE	FIG. NO.	PRICE
COUPLING (TXT)		
	1/4	9830-002
	3/8	9830-003
	1/2	9830-005
	3/4	9830-007
	1	9830-010
	1 1/2	9830-015
	2	9830-020


SIZE	FIG. NO.	PRICE
FEMALE ADAPTER (SXT)		
	1/4	9835-002
	3/8	9835-003
	1/2	9835-005
	3/4	9835-007
	1	9835-010
	1 1/4	9835-012
	1 1/2	9835-015
	2	9835-020
	3	9835-030
	4	9835-040


SIZE	FIG. NO.	PRICE
MALE ADAPTER (SXMT)		
	1/2	9836-005
	3/4	9836-007
	1	9836-010
	1 1/4	9836-012
	1 1/2	9836-015


SIZE	FIG. NO.	PRICE
CAPS (S)		
	3/8	9847-003
	1/2	9847-005
	3/4	9847-007
	1	9847-010
	1 1/4	9847-012
	1 1/2	9847-015
	2	9847-020
	2 1/2	9847-025
	3	9847-030
	4	9847-040
	6	9847-060
	8	9847-080


SIZE	FIG. NO.	PRICE
CAPS (T)		
	1/4	9848-002
	3/8	9848-003
	1/2	9848-005
	3/4	9848-007
	1	9848-010
	1 1/4	9848-012
	1 1/2	9848-015
	2	9848-020
	3	9848-030
	4	9848-040

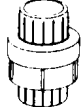
CPVC SCHEDULE 80 PRESSURE FITTINGS

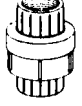
SIZE	FIG. NO.	PRICE
REDUCER BUSHING (SPGXS)		
	1/2X1/4	9837-072
	1/2X3/8	9837-073
	3/4X1/2	9837-101
	1X1/2	9837-130
	1X3/4	9837-131
	1 1/4X1/2	9837-166
	1 1/4X3/4	9837-167
	1 1/4X1	9837-168
	1 1/2X1/2	9837-209
	1 1/2X3/4	9837-210
	1 1/2X1	9837-211
	1 1/2X1 1/4	9837-212
	2X1/2	9837-247
	2X3/4	9837-248
	2X1	9837-249
	2X1 1/4	9837-250
	2X1 1/2	9837-251
	2 1/2X1 1/2	837-291
	2 1/2X2	9837-292
	3X2	9837-338
	3X2 1/2	9837-339
	4X2	9837-420
	4X3	9837-422
	6X4	9837-532

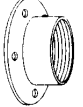
SIZE	FIG. NO.	PRICE
REDUCER BUSHING (SPGXT)		
	3/8X1/4	9838-052
	1/2X3/8	9838-072
	3/4X1/2	9838-073
	1X1/2	9838-101
	1X3/4	9838-130
	1 1/4X1/2	9838-131
	1 1/4X3/4	838-166
	1 1/4X1	838-167
	1 1/2X1/2	9838-168
	1 1/2X3/4	9838-209
	1 1/2X1	9838-210
	1 1/2X1 1/4	9838-211
	2X1/2	9838-212
	2X3/4	838-247
	2X1	9838-248
	2X1 1/4	9838-249
	2X1 1/2	838-250
	2 1/2X1 1/2	9838-251
	2 1/2X2	838-291
	3X2	9838-292
	3X2 1/2	9838-338
	4X2	9838-420
	4X3	9838-422

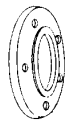
SIZE	FIG. NO.	PRICE
REDUCER BUSHING (MTXT)		
	3/4X1/2	9839-101
	X3/4	9839-131
	1 1/4X1	9839-168
	1 1/2X1 1/4	9839-212
	2X1 1/2	9839-251

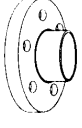
SIZE	FIG. NO.	PRICE
PLUG (MT)		
	1/4	9850-002
	3/8	850-003
	1/2	9850-005
	3/4	9850-007
	1	9850-010
	1 1/2	9850-015
	2	9850-020
	3	9850-030
	4	9850-040


SIZE	FIG. NO.	PRICE
UNION O-RING (SXS)		
	1/4	9897-002
	1/2	9897-005
	3/4	9897-007
	1	9897-010
	1 1/4	9897-012
	1 1/2	9897-015
	2	9897-020
	3	9897-030

SIZE	FIG. NO.	PRICE
UNION O-RING (TXT)		
	3/8	9898-003
	1/2	9898-005
	3/4	9898-007
	1	9898-010
	1 1/4	9898-012
	1 1/2	9898-015
	2	9898-020




SIZE	FIG. NO.	PRICE
FLANGE (T)		
	1/2	9852-005
	3/4	9852-007
	1	9852-010
	1 1/2	9852-015
	2	9852-020
	3	9852-030
	4	9852-040

SIZE	FIG. NO.	PRICE
FLANGE (BLIND)		
	1 1/2	9853-015
	2	9853-020
	3	9853-030
	4	9853-040
	6	9853-060
	8	9853-080

SIZE	FIG. NO.	PRICE
VAN STONE FLANGE (S)		
	1/2	9854-005
	3/4	9854-007
	1	9854-010
	1 1/4	9854-012
	1 1/2	9854-015
	2	9854-020
	2 1/2	9854-025
	3	9854-030
	4	9854-040
	5	9854-060
	8	9854-080
	10	9854-100
	12	9854-120

SIZE	FIG. NO.	PRICE
VAN STONE FLANGE (SPG)		
	1/2	9856-005
	3/4	9856-007
	1	9856-010
	1 1/4	9856-012
	1 1/2	9856-015
	2	9856-020
	2 1/2	856-025
	3	856-030
	4	856-040
	6	856-060
	8	856-080

FOR A COMPLETE LISTING OF SOLVENTS, PLEASE SEE PAGE 608



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PLASTIC NIPPLES

P V C S C H E D U L E 8 0

D I A M E T E R



L E N G T H



ALL NIPPLES ARE FROM SCHEDULE 80 PIPE

SPECIAL SIZES AVAILABLE

	CLOSE	1 1/2"	2"	3"	4"	5"	6"
1/4"	13380	13381	13382	13384	13386	13388	13390
3/8"	13391	13392	13393	13395	13397	13399	13401
1/2"	13403	13404	13405	13407	13409	13411	13413
3/4"	13414	13415	13416	13418	13420	13422	13424
1"	13425	-	13426	13428	13430	13432	13434
1 1/4"	13435	-	13436	13438	13440	13442	13444
1 1/2"	13445	-	13446	13448	13450	13452	13454
2"	13455	-	13456	13457	13459	13461	13463
2 1/2"	13464	-	-	13465	13466	13467	13468
3"	13469	-	-	13470	13471	13472	13473
4"	13474	-	-	-	13475	13476	13477

C P V C S C H E D U L E 8 0

D I A M E T E R



L E N G T H



FOR HOT WATER

ALL NIPPLES ARE FROM SCHEDULE 80 PIPE

SPECIAL SIZES AVAILABLE

	CLOSE	1 1/2"	2"	3"	4"	5"	6"
1/4"	10110	10111	10112	10124	10128	10130	10134
3/8"	10147	10177	13393	10187	13397	10197	10202
1/2"	10207	10210	10211	10215	10218	10221	10224
3/4"	10227	10229	10230	17505	17507	17510	17512
1"	17513	-	17514	17516	17518	17520	17522
1 1/4"	10236	-	10238	10242	10245	10248	10251
1 1/2"	10255	-	10258	10262	10272	10276	10282
2"	10288	-	10291	10293	10296	10301	10304

CORZAN HIGH TEMPERATURE PIPING

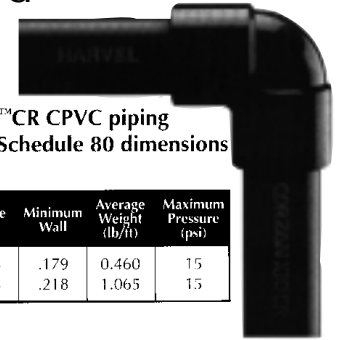
Specifically targeted for high temperature, small diameter condensate return (CR) lines and industrial drainage systems. Safely handles hot corrosives where operating conditions exceed the temperature limitations of standard CPVC. CR system (complete with quality fittings and solvent cements) provides a tough alternative to carbon steel and other metallic systems.

Temperatures up to 215°F. Exceptional corrosion resistance provides a tough alternative for many systems that are too aggressive for metallics. Typical usage, hot caustics and acids typically found in food-processing operations, metal treating/electroplating facilities, pulp and paper mills, chemical manufacturing industries, and water and waste-water treatment facilities.

Ideal for low pressure/drainage applications involving hot chemical service. Maximum pressure rating of 15 psi @

215°F.

Detailed installation information is available from our experts.



Harvel Corzan X10™ CR CPVC piping is produced to IPS Schedule 80 dimensions per ASTM F441

Nominal Pipe Size (in.)	Average O.D.	Average I.D.	Minimum Wall	Average Weight (lb/ft)	Maximum Pressure (psi)
1	1.315	0.935	.179	0.460	15
2	2.375	1.913	.218	1.065	15

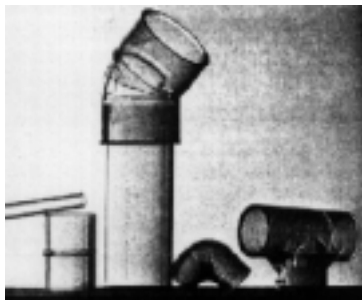
Harvel Corzan X10™ CR Maximum Support Spacing (ft)

Nominal Pipe Size (in.)	Temperature F							
	73	100	120	140	160	180	200	215
1	6	6	5 1/2	5	3 1/2	3	2 1/2	2 1/2
2	7	7	6 1/2	6	4	3 1/2	3 1/2	3

Chart for support spacing for continuous spans of uninsulated lines carrying fluids with a specific gravity up to 1.00

FITTINGS AVAILABLE: 90° Elbow, 45° Elbow, Coupling, Male Adapter, Tees, Reducer Bushings.

CLEAR RIGID SCHEDULE 40 PVC PIPE AND FITTINGS



Made from a clear rigid compound to permit visual contact with the flow.
 Made from non-toxic ingredients conforming to FDA standard for use with food contact surfaces.
 Smooth pipe interior surface provides excellent flow char?
 Flame retardant; non-conductive
 Quick and easy glue-on installation with primer, cleaner
 Manufactured to schedule 40 dimensions allowing use in schedule 40 installation
 Fittings may be COLD sterilized in Ethylene Oxide
 10 foot length pipe
 Fittings: 90° ell, tees, couplings, male adapters, female adapters, 1/2" to 2": cement, cleaner
 Threading not recommended.

APPLICATIONS

Sight gauges, wet or dry food processing, beverage transmission and processing, laboratories, pharmaceutical manufacture, chemical processing, photofinishing, hospitals, electroplating, dairy processing.

ALL FITTINGS AVAILABLE!

PIPE

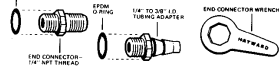
NOM PIPE SIZE	FIG. NO.	ID (IN)	OD (IN)	MAX WORKING PSI AT 70°F
1/4	48636	.346	.540	390
3/8	48637	.473	.675	310
1/2	48638	.602	.840	300
3/4	48639	.804	1.050	240
1	48640	1.029	1.315	220
1 1/4	48641	1.360	1.660	180
1 1/2	48642	1.590	1.900	170
2	48643	2.047	2.375	140
3	48644	3.042	3.500	130
4	48645	3.998	4.500	110
6	48646	6.375	6.625	45

LAB FITTINGS, SINKS AND COUNTER TOPS

DEIONIZED WATER CORROSIVE ATMOSPHERES DEMINERALIZED WATER DISTILLED WATER

SIZE	FIG. NO.	PRICE
------	----------	-------

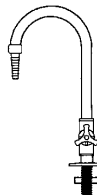
UNIVERSAL LAB COCK



Adapts to F X F, F X M, F X HOSE, M X M, M X HOSE AND HOSE X HOSE configurations!

1/4" 33458

CONTROLLED FLO PLASTIC LAB FIXTURE



Polyvinyl chloride service fixtures with special molded needle valve near the base of the fixture for fine adjustments of fluids.

These fixtures are compatible with all laboratory service lines, and are resistant to internal and environmental corrosion, abrasion and leaching in the presence of high purity distilled and demineralized waters. They are produced in standard 3/8" NPT size and are compatible with all conventional services, including water, all gases hot and hot water, vacuum and etc.

PVC 28352
POLY PRO 28353

REMOTE LAB FAUCET - PVC

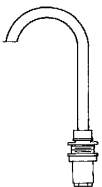


Fig. No. 28358

POLYPROPYLENE LABORATORY SINKS



SIZE	FIG. NO.	PRICE
------	----------	-------

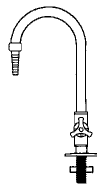
LABCOCK FEMXBARB



1/4 FEM X 1/4 BARB
Precise fingertip control
Perfect for laboratory use

1/4 52559

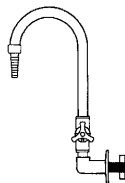
LAB FAUCET - PVC



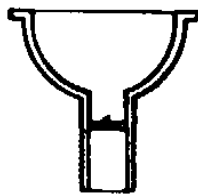
Deck mount

28357

PANEL MOUNT LAB FAUCET PVC



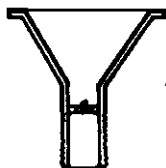
POLYPROPYLENE CUP SINKS



SIZE	FIG. NO.	PRICE
------	----------	-------

9X3"

6X3"

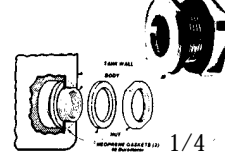


7"

WE CAN FABRICATE OR BUILD ANY LABORATORY TOP, SINK OR COUNTER!

SIZE	FIG. NO.	PRICE
------	----------	-------

TANK FITTINGS



1/4	15958
3/8	15960
1/2	15962
3/4	15964
1	15965
1 1/4	15967
1 1/2	15969
2	15970

HEAVY DUTY BULKHEAD FITTING



S	L	I	P	X	F	P	T
---	---	---	---	---	---	---	---

1/2	871-005
3/4	871-007
1	871-010
1 1/4	871-012
1 1/2	871-015
2	871-020
3	871-030
4	871-040
6	871-060

F	P	T	X	F	P	T
---	---	---	---	---	---	---

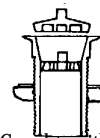
1/2	872-005
3/4	872-007
1	872-010
1 1/4	872-012
1 1/2	872-015
2	872-020
3	872-030
4	872-040
6	872-060

BOTTLE DRAIN



Fig. No. 36473

SINK WASTE FITTING

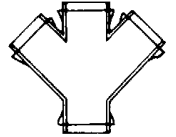
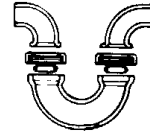
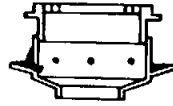
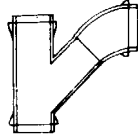
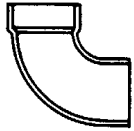


Complete with locknut, plug and strainer.

Fig. No. 19759

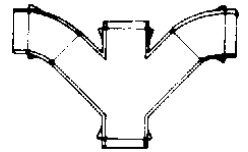
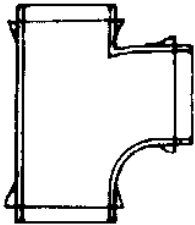
CHEMICAL RESISTANT DRAIN & HIGH PURTY PIPE SYSTEMS

Mechanical Joint
Polypropylene



Mechanical joint from 1 1/2" - 6"

Fusion Joint Style

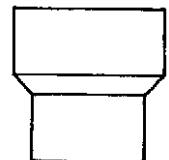
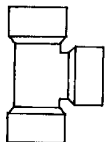
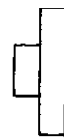
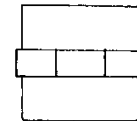
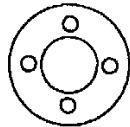
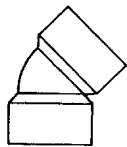


Enfield

Chemtrol®

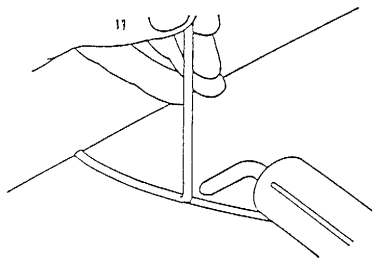
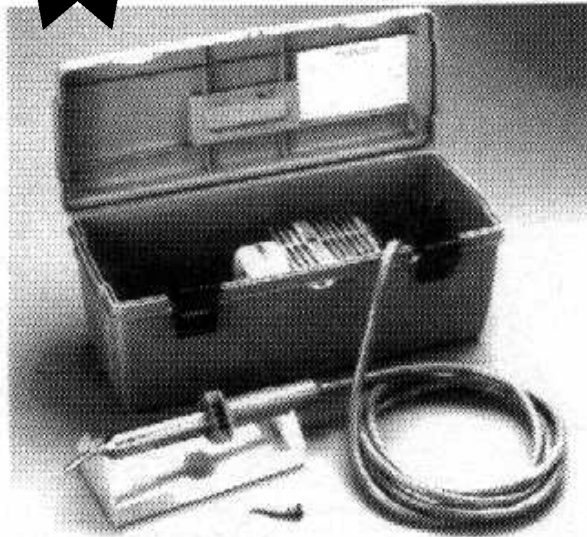


POLYPROPYLENE HIGH PURITY WATER SYSTEM
SOCKET & BUTT FUSION SYSTEM



ALL AVAILABLE FOR QUICK SHIPMENT

THERMOPLASTIC WELDING



Duff 120V super plastic welder kit. This is a complete plastics welding kit for production and general use. Features a cooler barrel which reduces the risk of injury. This welder features adjustable heat control. Kit contains the welder, one tacking tip, one round tip, air compressor and carrying case.

It is possible to weld most thermoplastic material, that can be softened or shaped by heat, with a Duff electric hot air welder. This lightweight, hand held unit makes it easy for even the inexperienced user to develop the 'feel;' for welding plastic and doing it economically and with speed after only a few hours of study and practice. Whether fabricating thermoplastic stock or repairing various types of plastic parts, hot air welding is usually performed on plastics with at thickness of 1/16 inch, or more. The bond achieved, depending on the type of weld, is generally as strong (90% or more) as the original material. Duff hot air welding equipment is specially designed for extensive hand-held use without causing operator fatigue. The equipment is light and very maneuverable. It can be moved easily from one project work area to another. All that is needed is a concentrated effort to learn about the use of the equipment.

CALL FOR PRICING AND AVAILABILITY!

WELDING ROD

PVC WELDING ROD

Available in either a round or triangular cross section, white or gray color, in straight lengths 48" long.


CPVC WELDING ROD


Available in either a round or triangular cross section in 48" lengths. Its light gray color matches the CPVC sheet.


DESCRIPTION	ROUND		TRIANGULAR		PRICE
	FIG. NO.	FT./LB.	FIG. NO.	FT./LB.	
PVC 1/8" Gray	DRH1800-004	124	DRH1800-014	114	
PVC 5/32" Gray	DRH1800-005	84	DRH1800-015	65	
PVC 3/16" Gray	DRH1800-006	62	DRH1800-016	50	
PVC 1/8" White	DRH1800-104	124	DRH1800-114	114	
PVC 5/32" White	DRH1800-105	84	DRH1800-115	65	
PVC 3/16" White	DRH1800-106	62	DRH1800-116	50	
PVC 1/8" Clear	DRH1800-204	140	DRH1800-214	110	
PVC 5/32" Clear	DRH1800-205	90	DRH1800-215	60	
PVC 3/16" Clear	DRH1800-206	62	DRH1800-216	53	
PVC 1/8" Blue	DRH1800-304	124	-	-	
PVC 5/32" Blue	DRH1800-305	84	-	-	
CPVC 1/8"	DRH1808-004	112	DRH1808-014	118	
CPVC 5/32"	DRH1808-005	77	DRH1808-015	75	
CPVC 3/16"	DRH1808-006	56	DRH1808-016	52	


SOLD BY THE POUND


PVC DRAIN WASTE VENT FITTINGS


	SIZE	FIG. NO.	PRICE
	1 1/4	10473	
	1 1/2	10480	
	2	10488	
	3	10489	
	4	10494	
	6	10498	


	SIZE	FIG. NO.	PRICE
	1 1/2	10507	
	2	10508	
	3	10518	
	4	10528	


	SIZE	FIG. NO.	PRICE
	2X1 1/2	10501	
	3X1 1/2	17799	
	3X2	17800	
	4X2	17802	
	4X3	17801	


	SIZE	FIG. NO.	PRICE
	1 1/2 X 1 1/4	10530	
	2X13	18037	
	2X12	10533	
	3X12	10538	
	3X2	10546	
	4X2	10551	
	4X3	10554	
6X4	20102		


	SIZE	FIG. NO.	PRICE
	1 1/4	10571	
	1 1/2	10573	
	2	10576	
	3	10580	
	4	10582	
	1 1/2 X 1 1/4	24827	


	SIZE	FIG. NO.	PRICE
	1 1/4	10555	
	1 1/2	10559	
	2	10562	
	3	10565	
	4	10567	
	6	10569	


	SIZE	FIG. NO.	PRICE
	1 1/2	10636	
	2	10639	
	3	10643	
	4	10650	
	6	10654	
	8	49125	


	SIZE	FIG. NO.	PRICE
	1 1/2	10658	
	2	10663	
	3	10665	
	4	10675	
	6	10679	
	8	53624	


	SIZE	FIG. NO.	PRICE
	1 1/2	10332	
	2	10334	
	3	10336	
	4	10338	
	6	48877	


	SIZE	FIG. NO.	PRICE
	1 1/4	10277	
	1 1/2	10281	
	2	10284	
	3	10286	
	4	10289	
	6	10292	


	SIZE	FIG. NO.	PRICE
	1 1/4	10297	
	1 1/2	10302	
	2	10306	
	3	10309	
	4	10311	
	6	10314	


	SIZE	FIG. NO.	PRICE
	1 1/2	10321	
	2	10323	
	3	10325	
	4	10327	

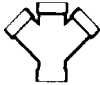
	SIZE	FIG. NO.	PRICE
	1 1/4	10138	
	1 1/2	10140	
	2	10141	
	3	10142	
	4	10143	
	6	10144	


	SIZE	FIG. NO.	PRICE
	1 1/4	10145	
	1 1/2	10146	
	2	10180	
	3	10192	
	4	10196	
	6	10201	


	SIZE	FIG. NO.	PRICE
	3X3X1 1/2	10206	
	3X3X2	10274	


	SIZE	FIG. NO.	PRICE
	3X3X1 1/2	18327	
	3X3X2	18328	

	SIZE	FIG. NO.	PRICE
	1 1/4	10399	
	1 1/2	10422	
	2	10430	
	3	10433	
	4	10436	
	6	10438	
	2X2X1 1/2	17844	
	3X3X1 1/2	10443	
	3X3X2	10447	
	4X4X2	10460	
4X4X3	10457		
6X6X4	10470		

	SIZE	FIG. NO.	PRICE
	1 1/2	23970	
	2	23971	
	3	23972	
	4	21051	
	3X3X2X2	29512	
4X4X2X2	20760		

	SIZE	FIG. NO.	PRICE
	1 1/2	29499	
	2	29500	
	3	29502	
	2x1 1/2 x 1 1/2	29501	

	SIZE	FIG. NO.	PRICE
	1 1/2	38607	
	2	38608	
	3	38609	
	4	38610	

	SIZE	FIG. NO.	PRICE
	1 1/4	10349	
	1 1/2	10351	
	2	10352	
	3	10355	
	4	10357	
	6	38600	
	2x1 1/2 x 1 1/2	29505	
	2X1 1/2 X 2	29507	
	2X2X1 1/2	10367	
	3X3X1 1/2	10371	
	3X3X2	10374	
	4X4X2	10380	
	4X4X3	10381	
	6X4	42479	

FOR DWV PIPE - SEE PAGE 581

PVC DRAIN WASTE VENT FITTINGS CONT'D

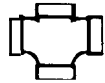
SIZE	FIG. NO.	PRICE
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SANITARY TEE (SpXHXH)



3	63382
4	63383

DOUBLE SANITARY TEE HXHXHXH



1 1/2	10382
2	10384
3	10387
4	10389

2 X 2 X 1 1/2 X 1 1/2	18329
3 X 3 X 1 1/2 X 1 1/2	18330
3 X 3 X 2 X 2	18331
4 X 4 X 2 X 2	18332
4 X 4 X 3 X 3	18333

P TRAP LA PATTERN W/ UNION SLIPXH



1 1/2	10896
-------	-------

PTRAP W/ UNION HXH



1 1/4	40050
-------	-------

PTRAP W/ SOLVENT WELD JOINT HXH



1 1/2	68193
2	68194
3	68195
4	10891

PTRAP U-BEND HXH



1 1/2	10683
2	10698
3	10701

DRUM TRAP HXH



3X6X1 1/2	10899
-----------	-------

TRAP ADAPTER Female w/ self sealing nut (HXSLIP)



1 1/2	10584
1 1/2 x 1 1/4	10588

TRAP ADAPTER Male w/ washer & nut (SpgXSlip)



1 1/2	10591
1 1/2 x 1 1/4	10594

SIZE	FIG. NO.	PRICE
------	----------	-------

CLOSET FLANGE



4 Hub	10916
4x3 Hub	10913

CLOSET FLANGE HUB END



4X3	10920
-----	-------

CLOSET FLANGE W/ ADJUSTABLE RING



4X3	10924
-----	-------

OFFSET CLOSET FLANGE W/ Adjustable metal ring (Hub)



4x3	10893
-----	-------

HUB ADAPTER Cast Iron (Adapts DWV Spigot to Cast Iron Hub) (HxSpg)



2	10613
3	10632
4	10634
1 1/2 X 2 CI	18041
3 X 4 CI	10630

ADAPTER COUPLING (Adapts Sewer & Drain Spigot to DWV Spigot) (HxH)



4x3	29528
-----	-------

MULTI-USE COUPLING



2" into 3"	59681
3" into 4"	59682

4" CAST IRON CLOSE FLANGE REPLACEMENT

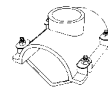


PVC. Up to 3" of adjustment to riser compression joint. Slides inside 4" cast iron and sch. 40 ABS and PVC. No need to remove leaded joint. No tearing up of floors. No caulking of lead joint. Just lip into pipe and tighten 3 stainless steel bolts. Breat for new concrete construction. Can be used with 4" heavy duty service weight or no hub cast iron.

4"	48455
----	-------

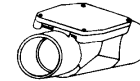
SIZE	FIG. NO.	PRICE
------	----------	-------

PVC SADDLE TEE



3X2	15807
4X2	15809
4X3	50405
4X4	15810

4" PVC BACKWATER VALVE



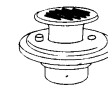
4	15819
---	-------

GENERAL PURPOSE STRAINER for use in concrete, terrazzo and ceramic tile.



2	15760
3	15762
4	15768

PVC SHOWER DRAIN



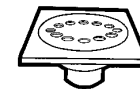
fits both 2" and 3" PVC	42033
-------------------------	-------

PVC DOME ROOF DRAIN



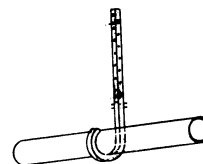
3	15788
4	15790

PVC FLOOR DRAIN



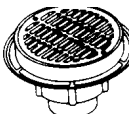
6X6 (1 1/2" & 2")	15777
9X9 (3")	15780

DRAIN PIPE "J" HOOK




1/2	15974
3/4	15976
1	15977
1 1/4	15978
1 1/2	15980
2	15981
3	15983
4	15985


PVC GRATE FLOOR DRAIN 4"





15785


SEWER & DRAIN FITTINGS


	SIZE	FIG. NO.	PRICE
STRAIGHT TEE 	3	11301	
	4	11313	
	6	11314	


	SIZE	FIG. NO.	PRICE
SANITARY TEE 	3	11312	
	4	11313	
	6	11314	
	6X4	11315	


	SIZE	FIG. NO.	PRICE
TEE-CROSS 	4	11317	


	SIZE	FIG. NO.	PRICE
1/4 BEND 	3	11319	
	4	73691	
	6	11323	


	SIZE	FIG. NO.	PRICE
1/4 BEND LONG TURN 	3	63452	
	4	63453	
	6	63454	
	8	63456	


	SIZE	FIG. NO.	PRICE
1/4 STREET BEND LONG TURN 	3	11324	
	4	11325	
	6	11326	


	SIZE	FIG. NO.	PRICE
45° WYE 	3	11327	
	4	11328	
	6	11329	
	6X4	11330	


	SIZE	FIG. NO.	PRICE
1/8 STREET BEND 	3	11396	
	4	11400	
	6	11405	


	SIZE	FIG. NO.	PRICE
1/8 BEND 	3	11331	
	4	11332	
	6	11333	


	SIZE	FIG. NO.	PRICE
COUPLING 	3	11334	
	4	11335	
	6	11336	


	SIZE	FIG. NO.	PRICE
DWV COUPLING 	4X4	11340	
	6X4	11343	


	SIZE	FIG. NO.	PRICE
REDUCER COUPLING 	4X3	11337	
	6X4	11338	


	SIZE	FIG. NO.	PRICE
DRAIN GRATE 	3	11345	
	4	11346	
	6	11347	


	SIZE	FIG. NO.	PRICE
FEMALE ADAPTER 	3	40025	
	4	40026	
	6	40027	


	SIZE	FIG. NO.	PRICE
FITTING CLEANOUT 	4	11375	
	6	47656	


	SIZE	FIG. NO.	PRICE
CAP 	3	11381	
	4	11383	
	6	11385	

	SIZE	FIG. NO.	PRICE
1/16 BEND 	3	11411	
	4	11415	
	6	19952	

	SIZE	FIG. NO.	PRICE
DOWNSPOUT ADAPTER 	2X3X3	11387	
	2X3X4	11388	
	3X4X3	11391	
	3X4X4	11394	

	SIZE	FIG. NO.	PRICE
SADDLE TEE 	4 ON 6	45167	
	6 ON 8	45168	


	SIZE	FIG. NO.	PRICE
SADDLE WYE 	4 ON 6	45169	
	6 ON 8	45170	


	SIZE	FIG. NO.	PRICE
VENT CAP PVC 	Fits 3" & 4"	15815	

S&D PIPE
10Foot Lengths

SOLID		
SIZE	FIG. NO.	PRICE
3"	11484	
4"	11486	
6"	11487	

PERFORATED		
SIZE	FIG. NO.	PRICE
3"	11483	
4"	11485	
6"	41951	

PVC FLOOR SINK		
	FIG. NO.	PRICE
3" Sch 40 outlet	60980	

PVC ADJUSTABLE URINAL FLANGE		
	FIG. NO.	PRICE
	15757	


DUFF IS ALWAYS
ON
CALL!

365 DAYS A YEAR


24 HOUR
EMERGENCY SERVICE!


610-275-4453


SDR 35 GASKETED FITTINGS & PIPE


	SIZE	FIG. NO.	PRICE
	4	11693	
	6	11698	
	6X4	11695	
	8	11707	
	8X4	11700	
	8X6	11703	
	10	11717	
	12	19967	


	SIZE	FIG. NO.	PRICE
	4	49338	


	SIZE	FIG. NO.	PRICE
	4	11891	
	6	11902	
	6X4	11895	
	8	CALL FOR PRICING!	
	8X4	11907	
	8X6	11914	
	10X6	11925	


	SIZE	FIG. NO.	PRICE
	4	52445	
	6	52446	
	8	CALL FOR PRICING!	


	SIZE	FIG. NO.	PRICE
	4	11654	
	6	11660	
	8	11664	
	10	11669	


	SIZE	FIG. NO.	PRICE
	4	11671	
	6	11674	
	8	11676	
	10	11679	
	12	19966	


	SIZE	FIG. NO.	PRICE
	4	11793	
	6	11801	
	6X4	11797	
	8	11819	
	8X4	11808	
	8X6	11814	
	10X8	11842	
	10X6	11834	
	10X4	11822	
	10	11847	


	SIZE	FIG. NO.	PRICE
	4	11641	
	6	11645	
	8	11648	
	10	11651	
	12	19964	


	SIZE	FIG. NO.	PRICE
	4	11617	
	6	11631	
	8	11634	
	10	11638	
	12	19963	


	SIZE	FIG. NO.	PRICE
	4	11727	
	6	11730	
	8	11731	
	10	11733	
	12	19969	


	SIZE	FIG. NO.	PRICE
	4	11737	
	6	11740	
	8	11777	
	10	11787	
	12	19970	


	SIZE	FIG. NO.	PRICE
	4X4	19979	
	6X6	19980	

	SIZE	FIG. NO.	PRICE
	4	11719	
	6	11720	

	SIZE	FIG. NO.	PRICE
	4X4	50440	

	SIZE	FIG. NO.	PRICE
	6X4	11955	
	8X4	11961	

	SIZE	FIG. NO.	PRICE
	4	11682	
	6	11685	
	8	11688	
	10	11690	
	12	19968	

	SIZE	FIG. NO.	PRICE
	4	19958	
	6	19959	
	8	19960	

SDR 35 PIPE
GASKETED SEWER MAIN
12 1/2' LENGTH




SDR 35 IS AVAILABLE UP TO 24"


NOMSIZE	FIG. NO.	PRICE
4"	11488	
6"	11489	
8"	11490	
10"	11491	
12"	19433	


ASTMD3034 SDR-35


NOM PIPE SIZE (IN.)	OD (IN.)	WALL (IN.)
4"	4.215	.125
6"	6.275	.180
8"	8.400	.240
10"	10.500	.300
12"	12.500	.360
15"	15.300	.437
18"	18.701	.536
21"	22.047	.632
24"	24.803	.711


CORRUGATED PIPE AND FITTINGS


SIZE	FIG. NO.	PRICE
PERFORATED TUBING for foundations & field drainage		
 3x100'	41224	
3x300'	47666	
4x100'	15302	
4x250'	15305	
6x100'	15307	


SIZE	FIG. NO.	PRICE
NON-PERFORATED TUBING for downspout & root areas. SOLID.		
 3x100'	41225	
3x300'	47667	
4x100'	15299	
4x250'	15303	
6x100'	15306	
8x20	20830	
10x20	26455	
12x20	26456	


SIZE	FIG. NO.	PRICE
CORRUGATED 90° ELL		
 4	15309	

SIZE	FIG. NO.	PRICE
CORRUGATED SNAP TEE		
 4	15310	
6	38614	

SIZE	FIG. NO.	PRICE
CORRUGATED DOWNSPOUT ADAPTER		
 4	26336	

SIZE	FIG. NO.	PRICE
CORRUGATED SPLIT END CAP		
 4	15308	
6	38613	

SIZE	FIG. NO.	PRICE
CORRUGATED SPLIT COUPLING		
 4	15312	
6	38616	

SIZE	FIG. NO.	PRICE
CORRUGATED 45° "Y"		
 4	15311	
6	38615	



VALVE BOXES AND ENCLOSURES

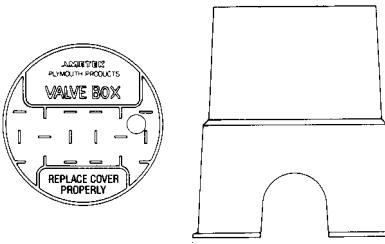
FIG. NO.	PRICE
ECONOMY TURF BOX	
	
15833	

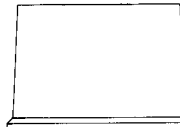
FIG. NO.	PRICE
TURF BOX EXTENSION	
	
69252	

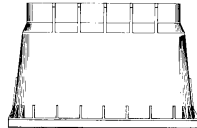
FIG. NO.	PRICE
12" STANDARD METER BOX WITH LID	
	
15832	

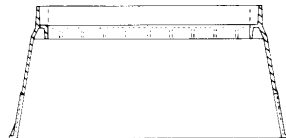
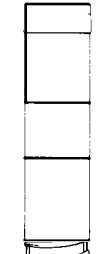
FIG. NO.	PRICE
12" JUMBO METER BOX WITH LID	
	
15832	

FIG. NO.	PRICE
PVC EXTENSION CURB BOX 30X48	
	
15828	

CALL DUFF FIRST FOR ALL YOUR IRRIGATION NEEDS!
610-275-4453


FIG. NO.	PRICE
6" STANDARD METER BOX EXTENSION	
	
48997	


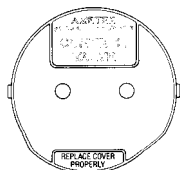
FIG. NO.	PRICE
6" JUMBO METER BOX EXTENSION	
	
48992	

FIG. NO.	PRICE
10" CIRCULAR BOX WITH LID	
	
15830	

For additional information call: 610-275-4453 or Fax: 610-279-6299
Please call for current prices.

NDS SURFACE DRAIN PRODUCTS (CONT'D)

BASINS, ADAPTERS, GRATES, VALVE BOXES

9" X 9" and 12" X 12" GRATES



9" and 12" GRATE

- 980 9" Square Grate Black
- 990 9" Square Grate Green
- 999 9" Square Grate Grey
- 1210 12" Square Grate Grey
- 1211 12" Square Grate Black
- 1212 12" Square Grate Green

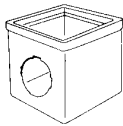
12" X 12" ATRIUM GRATES



12" X 12" ATRIUM

- 1280 12" Atrium Grate Green
- 1290 12" Atrium Grate Black

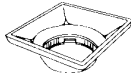
9" X 9" and 12" X 12" CATCH BASINS



9" and 12" BASIN

- 900 9" Basin Two Opening *
 - 900-4 9" Basin Four Opening *
 - 1200 12" Basin Two Opening *
 - 1203 12" Basin Three Opening *
 - 1204 12" Basin Four Opening *
- (* Requires Either 1206, 1243 or 1266 for each Opening.)

9" X 9" and 12" X 12" ADAPTERS



9" and 12" ADAPTERS

- 930 9" X 9" Square Fits Corrugated and Sewer and Drain Pipe. (Requires Either 1243 or 1266.) Black
- 1230 12" Square Fits Corrugated Pipe and Sewer and Drain Pipe. (Requires 1243 or 1266) Black

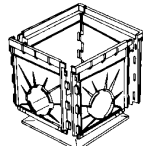
18" X 18" GRATES



18" X 18" GRATE

- 1810 18" Square Grate Black
- 1811 18" Square Grate Black
- 1812 18" Square Grate Black

18" X 18" CATCH BASINS



18" X 18" BASIN

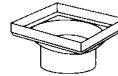
- 1800 18" Basin Two Opening*
 - 1804 18" Basin Four Opening*
- * Includes Four Sides with Reducer Rings and One Bottom. (Requires Outlets.)

18" X 18" ADAPTERS



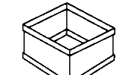
18" ADAPTERS

- 1830 18" X 18" Square Fits 3", 4", 6" or 8" Corrugated or Sewer and Drain Pipe Includes 1890 Reducer Ring (Requires 1243, 1244, 1266, or 1888.) Black



12" X 12" X 8" SQUARE ADAPTER

- 1221 12" Square X 8" Sewer and Drain Hub Adapter Black



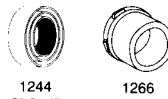
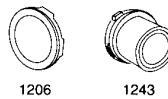
9" and 12" RISER EXTENSION

- 1222 12" Square X 8" Corrugated Pipe SPG. Adapter Black

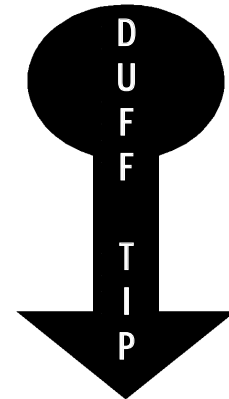
9" and 12" RISER EXTENSIONS

- 916 6" Extension Fits 9" Catch Basin and Adapter Black
- 1216 6" Extension Fits 12" Catch Basin and Adapter Black

UNIVERSAL OUTLETS



- 1206 Plug Black
 - 1243 Combination 4" X 3" Outlet Fits 4" and 3" Corrugated Pipe and 4" Sewer and Drain Pipe Black
 - 1244 Combination Outlet Fits 3" and 4" Sewer and Drain Pipe and 3" and 4" Corrugated Pipe Black
 - 1266 6" Outlet Fits 6" Sewer and Drain Pipe and 6" Corrugated Pipe Black
- (Use Universal Outlets with 9" X 9", 12" X 12" and 18" X 18" Catch Basins and Adapters)

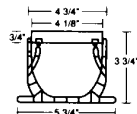


DUFF CAN DESIGN
AND/OR SUPPLY
ANY TYPE
OF
IRRIGATION SYSTEM
OR EQUIPMENT!

NDS SURFACE DRAIN PRODUCTS (CONT'D)

CHANNEL DRAINAGE PRODUCTS AND FITTINGS

SPEE-D CHANNEL DRAIN



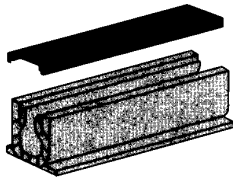
251-Brick Red

400
4' Channel Drain
Grey

400-10
10' Channel Drain
Grey

229
Screws Stainless Steel,
Type "A" F.H. #8 X 1"

CHANNEL SPECIFICATIONS
Material - High Impact P.V.C.
with 2% UV Inhibitors



2' Channel Grate

240-White
241-Grey
242-Green
243-Black
244-Sand

GRATE SPECIFICATIONS
Material - High Density
Polyethylene



Channel
Coupling

248-Grey



Strainer Coupling

245-Grey



Channel
End Cap

247-Grey



3" S & D
Spigot Adapter

249-Grey



2" Schedule 40
Spigot Adapter

246-Grey



9" Long Fabricated
Cross and Grate

2360-White
2361-Grey
2362-Green
2363-Black
2364-Sand
2365-Brick Red



7" Long Fabricated Tee
and Grate

2370-White
2371-Grey
2372-Green
2373-Black
2374-Sand
2375-Brick Red



7" Long Fabricated 90°
??? and Grate

2380-White
2381-Grey
2382-Green
2383-Black
2384-Sand
2385-Brick Red



7" Long Fabricated 45°
and Grate

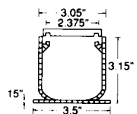
2300-White
2301-Grey
2302-Green
2303-Black
2304-Sand
2305-Brick Red



2" Long Fabricated
3" & 4" Spigot Bottom
Outlet with Strainer

234-Grey
Fits 3" or 4" Sewer and
Drain Fittings. (Grate Not
Included.)

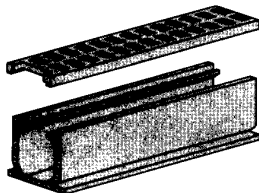
MINI SPEE-D CHANNEL DRAIN



500
6' Foot Mini
Snap-On Channel
Grey

529
Screws Stainless Steel
Type FA - 1/4" x 3/4"

CHANNEL SPECIFICATIONS
Material - High Impact P.V.C.
with 2% UV Inhibitors



3' Channel Grate

540-White
541-Grey
542-Green
543-Black
544-Sand
551-Brick Red

GRATE SPECIFICATIONS
Material - High Density
Polyethylene or Solid Brass

1' Brass Channel Grate

552B-Satin Brass
553PB-Polished Brass



Channel
Coupling

548-Grey



Channel
End Cap

547-Grey



2" Schedule 40
Spigot Adapter

546-Grey



2" Schedule 40
Hub to 3" S&D
Spigot Adapter

542-White



2" Schedule 40
Hub to 4" S&D
Spigot Adapter

533-White



2" Schedule 40
Spigot Adapter Bottom
Outlet 3" Long

550-White
Grate Not Included



4" Long Fabricated Tee
and Grate

5370-Grey
5371-Green
5372-Black
5373-Sand
5374-Brick Red



4" Long Fabricated 90°
and Grate

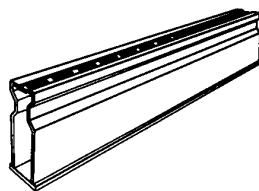
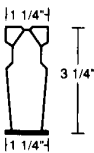
5380-Grey
5381-Green
5382-Black
5383-Sand
5384-Brick Red



4" Long Fabricated 45°
and Grate

5300-Grey
5301-Green
5302-Black
5303-Sand
5304-Brick Red

MICRO CHANNEL



10' Long Micro Channel
Includes Couplings

8001-White
8002-Sand
8003-Grey

SPECIFICATIONS
Channel length - 10 feet
Material - High Impact P.V.C.
with 2% UV Inhibitors



Micro Hold Down Clips
8601-White Only



Micro End Plug
8471-White



Micro 1 1/2" Spigot
Schedule 40 End Outlet
8461-White



Micro Coupling
Fits Into Micro
Channel
8481-White



Micro Tee
8371-White
8372-Sand
8373-Grey



Micro 1 1/2" Spigot
Schedule 40
Bottom Outlet

8501-White
8502-Sand
8503-Grey



Micro 1 1/2" Spigot
Schedule 40 Side
Outlet

8511-White
8512-Sand
8513-Grey



Micro Clean Out

8651-White
8652-Sand
8653-Grey



Micro 45°

8301-White
8302-Sand
8303-Grey



Micro 90°

8381-White
8382-Sand
8383-Grey

CALL DUFF NOW FOR PRICING AND AVAILABILITY!

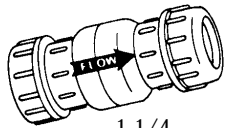
610-275-4453

OR FAX US AT

610-279-6299

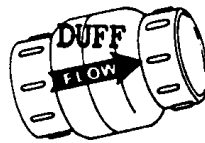
PLASTIC VALVES

SIZE FIG. NO. PRICE
COMPRESSION PVC SWING CHECK VALVE



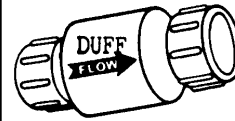
1 1/4	15891
1 1/2	15893
2	15895
3	15897
1 1/4 X 1 1/2	15900

SIZE FIG. NO. PRICE
SOLVENT WELD HUB X HUB SWING CHECK VALVE



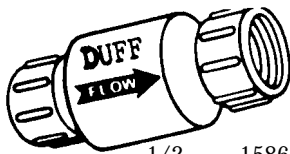
1 1/2	15918
2	15920
3	15923
4	15925

SIZE FIG. NO. PRICE
POPPET CHECK VALVE SOLVENT WELD



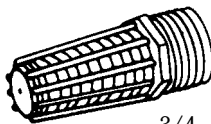
1/2	15876
3/4	15879
1	15882
1 1/4	15884
1 1/2	15886
2	15888

POPPET PVC CHECK VALVES FIPT X FIPT



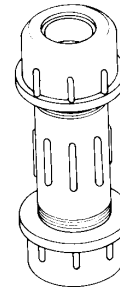
1/2	15868
3/4	15869
1	15870
1 1/4	15871
1 1/2	15872
2	15874

FOOT VALVE SCREEN



3/4	42715
1	42716
1 1/4	42717
1 1/2	42718

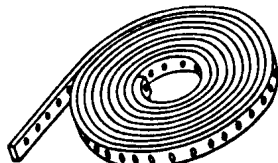
PVC COMPRESSION COUPLING



Will fit any Schedule 40 or Schedule 80 Pipe.

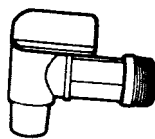
1/2	15927
3/4	15929
1	15931
1 1/4	15932
1 1/2	15933
2	15934
2 1/2	15935
3	15936
4	15937
6	15938

PLASTIC HANGER



100' 15991

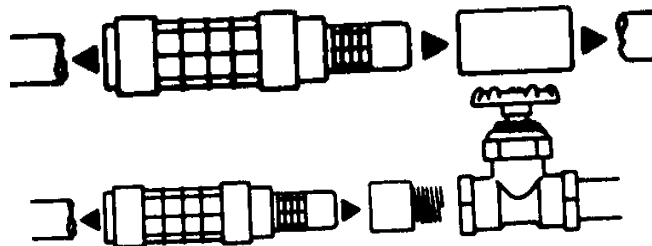
POLYETHYLENE DRUM & BARREL FAUCETS



Strong polyethylene construction with excellent chemical resistance properties. Use with water and approved chemicals.

3/4	18962
-----	-------

QUICK FIX REPAIR COUPLING TO REPAIR BREAK, ADD A LINE, ADD A VALVE



Schedule 40, 150# PSI, long extension, union connection, Slip X Spigot

SIZE	FIG. NO.	PRICE
1/2	63684	
3/4	63685	
1	63690	
1 1/4	63686	
1 1/2	63687	

SIZE	FIG. NO.	PRICE
2	63688	
2 1/2	63799	
3	63800	
4	63801	

PLASTIC SADDLE ASSEMBLY



PIPE SIZE FEM THREAD FIG. NO. PRICE
OUTLET

3/4	1/2	PST34X12	
3/4	3/4	PST34X34	
1	1/2	PST1X12	
1	3/4	PST1X34	
1 1/4	1/2	PST114X12	
1 1/4	3/4	PST114X34	
1 1/2	1/2	PST112X12	
1 1/2	3/4	PST112X34	
2	1/2	PST2X12	
2	3/4	PST2X34	

PLASTIC VALVES CONT'D

TRUE UNION BALL VALVES



Hayward
Asahi
Chemtrol
Socket and threaded
Flanged valves also in stock

PVC		
SIZE	FIG. NO.	PRICE
1/4	11763	
3/8	11786	
1/2	46981	
3/4	11754	
1	11756	
1 1/4	11758	
1 1/2	11760	
2	11762	
2 1/2	17721	
3	17722	
4	17723	

CPVC		
SIZE	FIG. NO.	PRICE
1/2	36765	
3/4	36766	
1	36767	
1 1/4	36768	
1 1/2	36769	
2	36770	

PVC BUTTERFLY VALVES



150 PSI rated valve
Meets face to face industry standards
Will replace most metal valve
Lock out handle to lock valve in one of seven positions
Sizes available up to 24"

SIZE	FIG. NO.	PRICE
2	30010	
3	30011	
4	30013	
6	30015	
8	30016	

PVC BALL CHECK VALVES



Seats with minimum back pressure
Free floating ball never seats in same position twice
Horizontal or vertical installation

Sizes up to 6" available
Easily converted to foot valve
Full port

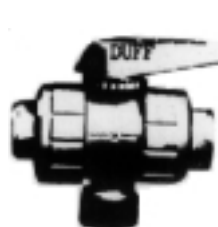
SIZE	FIG. NO.	PRICE
1/2	12005	
3/4	12007	
1	12014	
1 1/4	12017	
1 1/2	12020	
2	12021	
3	12024	
4	12025	

HAYWARD TXT NEEDLE VALVE



SIZE	FIG. NO.	PRICE
1/2	59378	

3-WAY BALL VALVES



SIZE	FIG. NO.	PRICE
3/4	51769	
1	51742	

HAYWARD PVC PRESSURE RELIEF VALVE

Sizes 1/2" to 2" available for quick shipment



GLOBE



Sizes 1/2" thru 4" available for quick

PVC COMPACT BALL VALVES



T H D X T H D		
SIZE	FIG. NO.	PRICE
1/2	11873	
3/4	11877	
1	11879	
1 1/4	11882	
1 1/2	11886	
2	11889	

SLIP X SLIP		
SIZE	FIG. NO.	PRICE
1/2	11856	
3/4	11859	
1	11860	
1 1/4	11862	
1 1/2	11864	
2	11866	
2 1/2	44481	
3	11869	
4	25121	

GATE VALVES

Sizes 1 1/2" thru 8" available for quick shipment
PVC or PVDF



HORIZONTAL SWING CHECK VALVES



Sizes 3/4" thru 8" available for quick shipment

VINYL FLOAT VALVE



3/4"	
FIG. NO.	PRICE
65294	



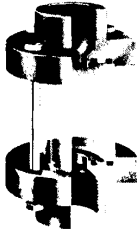
GEORGE FISCHER +GF+



Chemtrol
A DIVISION OF NIBCO INC.

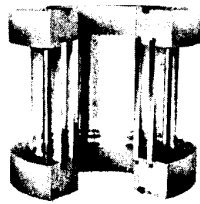
Hayward

All readily available!



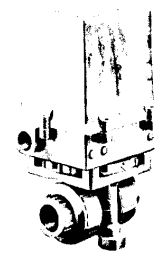
**SERIES "GX" & "GY"
SIGHT GLASS
FLOW INDICATORS**

For safe, positive indication of flow and clarity of corrosive or ultra-pure liquids. Available with vinyl streamers to help detect flow. Series "GX" has only an acrylic cylinder wall for economy. Series "GY" has an acrylic outer cylinder protecting a Pyrex inner cylinder. Sizes 1/2" to 3" NPT.



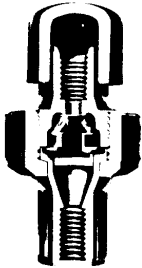
**SERIES "GYW"
WAFER SIGHT GLASSES**

Offers safe and positive indication of flow or clarity of corrosive or ultra-pure liquids in larger piping systems. Double wall construction. Fits between standard companion flanges. Sizes 1-1/2" to 8" pipe.



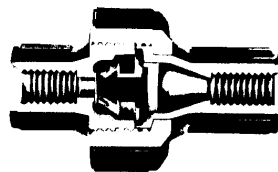
**TRUE-BLUE™
SERIES "EBV" 2-WAY & "TEBV" 3-WAY
ELECTRICALLY ACTUATED BALL VALVES**

Thermally protected, heavy-duty motor with 7 second cycle time. Designed to meet NEMA IV standards. Rugged all plastic construction - ideal for corrosive atmospheres. For use with computer-controlled automated systems. Compact design with manual over-ride. Position and motor running lights. Simple attachment to the valve body mounting lugs. Two actuator sizes for the valve range of 1/2" through 2".



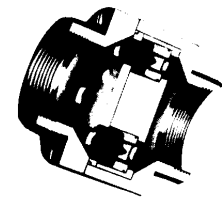
**SERIES "VBM" & "VB"
VACUUM BREAKERS**

Protective vacuum breakers eliminate unwanted siphonage or collapsing of storage tanks. Sensitive molded diaphragm offers normally closed operation and will respond to a minimum of vacuum; however, they are not recommended for protection of thin-wall tanks. Sizes 1/2", 3/4" and 1" NPT.



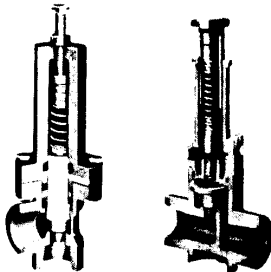
**SERIES "CKM" & "CK"
DIAPHRAGM CHECK VALVES**

Leak-proof check valves prevent reverse flow of extremely corrosive and ultra-pure liquids. Self-sealing design allows mounting in any position. Unique molded diaphragm offers you normally closed operation, operates silently, and seals in the same location every time. Size 1/2", 3/4" and 1". Also our CKD series with very sensitive opening is available 1/4" and 1/2".



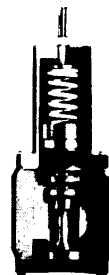
**SERIES "FC"
FLOW CONTROL VALVES**

Automatic valves to maintain a constant flow regardless of inlet pressure changes between 15 and 100 PSI. No metal in contact with liquid. Flow rates from 1/4 to 120 GPM. Sizes 1/4" to 3".



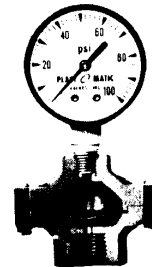
**SERIES "RVT" & "RVDM"
ANGLE PATTERN & IN-LINE RELIEF VALVES**

Prevent overpressures, maintain back pressures or automatic by-pass in vessels and piping. Series RVT angle pattern has non sticking Teflon® shaft. Series RVDM in-line pattern has a frictionless rolling diaphragm design for sensitive operation. Settings from 5 to 100 PSI. FAIL-DRY®, 1/2"-2". Series RVD angle pattern diaphragm design (not shown) 1/8"-1/2" NPT, 5 to 150 PSI.



**SERIES "PR" AND "PRH"
PRESSURE REGULATING VALVES**

Accurately reduce and regulate steady or varying inlet pressures and maintain a constant predetermined outlet set pressure. Regulator settings from 5 to 75 PSI. Sizes 1/4" to 3". Higher set pressures available.

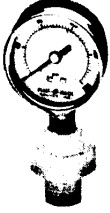


**SERIES "GGM"
CHEMICAL GAUGE GUARDS**

Protects instruments from corrosion and clogging while maintaining high accuracy. Unique optional "Snubber" insert reduces pressure pulsations, provides even, more precise readings and reduces needle-fluctuation damage. Available with or without pressure or vacuum gauges. Inlet 1/2". Gauge connection 1/4" or 1/2".

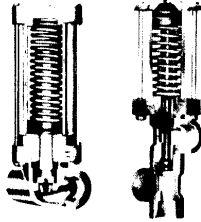
All readily available!

NEW!



**SERIES "GGME"
MINIATURE DIAPHRAGM SEAL
GAUGE GUARD**

Compact size - ideal for small applications. Low cost - now feasible to protect lower priced pressure and vacuum instruments from clogging and corrosion. Molded glass filled polypropylene body - for excellent chemical compatibility and avoiding possibility of leaks. ±4% accuracy handles most applications. 1/4" FPT x 1/2" MPT.




**SERIES "EST"
SHUTOFF VALVES AND
SERIES "F" DIVERTER VALVES
AUTOMATIC, AIR OPERATED**

Shutoff valves (2-Way) normally closed or normally open, air by air, line pressure by air operation. Diverter valves (3-Way) direct flow. One (or two) common inlet(s) to two (or one) common outlet(s). FAIL-DRY[®] design and clear acrylic air cylinder shows valve position, standard on all. Sizes 1/2" through 2".



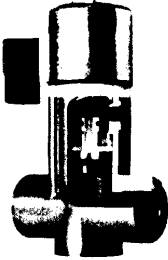
**SERIES "KST", "VSTS" & "LST"
LINE BASKET STRAINERS**

Protects equipment by removing solids and foreign materials from liquid lines. Safer and easier to use than Y-strainers. Sturdy construction large capacity, high performance corrosion resistant. Sizes 2" to 14". PVC CPVC (CORZAN[™]) & Polypro.



**SERIES "BSD"
MINIATURE AIR OPERATED
DIAPHRAGM VALVE**

Long cycle life and compact design. Excellent for ultra-high purity or highly corrosive liquids. Body is PVDF (other materials also available) with a Teflon diaphragm. Million-cycle design. Connections can be female socket, female threads, or nipples. Smooth internal cavities to avoid dead corners. Sizes 1/4" - 1", 1/8" NPT air connection. Standard is normally closed spring return.



**SERIES "EASMT" & "EASYMT"
DIRECT OPERATING - NORMALLY CLOSED
TEFLON[®] BELLOWS SOLENOID VALVE**

For severe service applications with virtually all solutions (acids, caustics, etc.). Unique "Bellows" design provides dynamic barrier seal, prevents leaking of emissions. 2,000,000 cycle life. Fail-Dry safety design. Sizes 1/8" to 1". C_v from 1.1 to 4.7, orifice from 3/8" to 11/16".



**SERIES "EASMD" & "EASYMD"
DIRECT OPERATING
DIAPHRAGM SOLENOID VALVES**

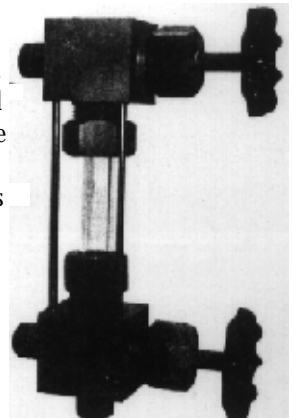
Has rolling diaphragm and FAIL-DRY[®] concept for normally closed on-off services of caustics and salt solutions to eliminate crystallization problems. Does not require pressure to operate. Orifice diameters from 7/16 to 11/16. Available in pipe sizes 1/4", 1/2", 3/4" & 1".

LIQUID LEVEL GAUGE PVC

All parts coming in contact with liquid made are made of PVC. PVC has greater resistance to corrosive environments and solutions than many other materials. This gage can be used in place of stainless steel and monel.

To determine length of glass and rods: Glass 2" shorter than centers. Rods 1 1/4" shorter than centers. Can be furnished with or without ball check. Furnished without check unless specified. Glass and Guard Rods: Valves are equipped to accommodate four 3/16" diameter guard rods. Unless otherwise specified, gages will be furnished with glass and rods for 18" centers.

3/4" AND 1/2" AVAILABLE!



DUFF
610-275-4453

CPVC TUBE SIZE
TUBE & FITTINGS

	SIZE	FIG. NO.	PRICE
--	------	----------	-------

CTS TEE (SXS)



1/2	11900
3/4	11912

CTS 90° ELL (SXS)



1/2	11772
3/4	11790

CTS STREET ELL (SXST)



1/2	12002
3/4	12013

CTS DROP EAR ELL (FPTXS)



1/2	11798
-----	-------

CTSC 45° ELL (SXS)



1/2	11809
3/4	11826

CTS ADAPTER (PVCXCPVC)



3/4	49378
-----	-------

CTS COUPLING (SXS)



1/2	11734
3/4	11743
3/4X1/2	19424

CTS MALE ADAPTER (MPTXS)



1/2	11848
3/4	11858

CTS FEMALE ADAPTER W/ SEAL (SXFPT)



1/2	11871
3/4	11888

CTS REDUCER BUSHING (SPGXS)



3/4X1/2	11945
---------	-------

CTS CAP (S)



1/2	11724
3/4	11728

	SIZE	FIG. NO.	PRICE
--	------	----------	-------

CTS TRANSITION TAILPIECE (SPG)



1/2	11752
3/4	11764

HANGER



1/2	11954
3/4	11965

RISER ADAPTER (SPTXS)



1/2 slip x 3/8 OD	63320
----------------------	-------

CPVC VALVES

LINE STOP CPVC X CPVC



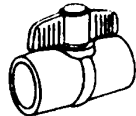
1/2	42452
3/4	42453

BOILER DRAIN CPVC X MALE HOSE



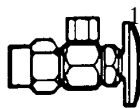
1/2	11964
3/4	11967

BALL VALVE CPVCXCPVC



1/2	38680
3/4	38681

SUPPLY STOP-ANGLE CPVCXOD



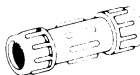
1/2X3/8	PR19C
---------	-------

SUPPLY STOP-STRAIGHT CPVCXOD



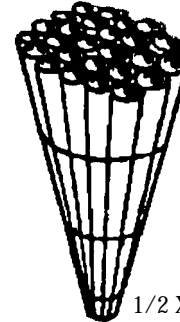
1/2X3/8	PR14C
---------	-------

CPVC CTS COMPRESSION COUPLING



1/2	11976
3/4	11989

CPVC TUBING



1/2 X 10'	11718
3/4 X 10'	11721

FOR A
COMPLETE LISTING
OF SOLVENTS,
PLEASE SEE
PAGE 608

PLASTIC SUPPLY LAV TUBE



3/8X12	10943
3/8X20	10946

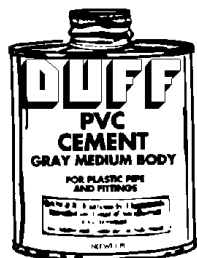
PLASTIC SUPPLY CLOSET TUBE



3/8X12	10958
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PVC CEMENT



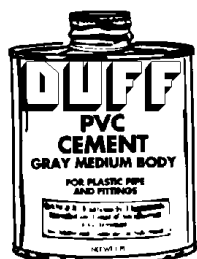
PVC CEMENT
CLEAR MEDIUM BODY FOR UP TO
2" PIPE

SIZE	FIG. NO.	PRICE
1/4 PT	15154	
1/2 PT	15155	
PINT	15156	
QUART	15157	
GAL	15158	



ALL PURPOSE
CEMENT

SIZE	FIG. NO.	PRICE
1/4 PT	15169	
1/2 PT	15170	
PINT	15171	
QUART	15172	



HEAVY DUTY
GRAY
MEDIUM BODY
PVC CEMENT
FOR LARGER SIZE PIPE

SIZE	FIG. NO.	PRICE
1/2 PT	15160	
PINT	15161	
QUART	15162	

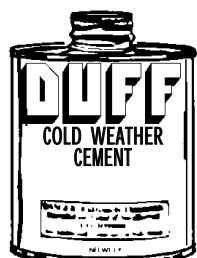


CPVC CEMENT FOR TUBING

SIZE	FIG. NO.	PRICE
1/4 PT	15164	
1/2 PT	15165	
PINT	15166	
QUART	15167	

CPVC CEMENT FOR PIPE

SIZE	FIG. NO.	PRICE
PINT	48745	
QUART	48747	



COLD WEATHER
PVC CEMENT

SIZE	FIG. NO.	PRICE
PINT	15190	
QUART	15191	



PVC POOL CEMENT BLUE
FOR WET LOCATIONS

SIZE	FIG. NO.	PRICE
PINT	51520	
QUART	50530	



CLEAR PRIMER

SIZE	FIG. NO.	PRICE
1/4 PT	15185	
1/2 PT	15186	
PINT	15187	
QUART	15188	
GAL	15189	



PURPLE PRIMER

SIZE	FIG. NO.	PRICE
1/4 PT	15179	
1/2 PT	15180	
PINT	15181	
QUART	15183	

PVC PIPE

ENGINEERING DATA



Pressure/Temperature Relationship

MAXIMUM OPERATING PRESSURE — PSI (WATER @ 73°F)

Nominal Pipe Size (IPS)	Schedule 40 PVC and CPVC	Schedule 80 PVC			Schedule 80 CPVC	SDR Pressure Rated Pipe ⁴ PVC Plain and Belled End		
	Plain & Belled ¹	Plain End	Threaded ²	Roll Grooved	Plain End ³	SDR 26	SDR 21	SDR 13.5
1/4"	NA	1130	NA	NA	NA	NA	NA	NA
1/2"	600	850	420	NA	850	NA	NA	315
3/4"	480	690	340	NA	690	NA	200	—
1"	450	630	320	NA	630	NA	200	—
1 1/4"	370	520	260	NA	520	160	200	—
1 1/2"	330	470	240	NA	470	160	200	—
2"	280	400	200	400	400	160	200	—
2 1/2"	300	420	210	420	420	160	200	—
3"	260	370	190	370	370	160	200	—
4"	220	320	160	320	320	160	200	—
5"	190	290	NR	290	290	160	200	—
6"	180	280	NR	280	280	160	200	—
8"	160	250	NR	250	250	160	200	—
10"	140	230	NR	230	230	160	200	—
12"	130	230	NR	230	230	160	200	—
14"	130	220	NR	220	NA	160	200	—
16"	130	220	NR	220	NA	160	200	—

(NR-Not Recommended)
(NA-Not Available)

1. Threading Schedule 40 and SDR/PR pipe is not recommended.
2. Threading Schedule 80 pipe above 4" is not recommended.

3. CPVC threaded connections should be avoided when possible at elevated temperatures and pressures. (Consult factory.)
4. Standard dimensional ratio pipe (SDR) will carry the same pressure rating for all diameters according to the SDR number.

The operating pressures listed above are based on the hydrostatic design of the product using water as a test medium at 73°F. Compounding nomenclature for Esilon PVC is PVC 1120 with a cell class of 12454-B. For Esilon CPVC pipe it is CPVC 4120 with a cell class of 23447-A.

For schedule-rated products and SDR/PR pipe, the following equation was used to determine operating pressures for outside diameter controlled pipe:

$$P = \frac{2ST}{D - T}$$

Where: P = pressure (PSI)
D = average outside diameter
T = minimum wall thickness
S = hydrostatic design stress (HDS) for Esilon PVC Type I, Grade 1, HDS = 2,000 PSI
Esilon CPVC also = 2,000 PSI

The following temperature corrections must be used to derate all PVC and CPVC pipe, valves and fittings when operating temperatures are expected to exceed 73°F.

The working pressure of PVC and CPVC pipe is directly affected by temperature changes. When the operating temperature of the pipe increases, the pipe loses its stiffness and tensile strength decreases. A drop in pressure capacity results. The drop can be calculated using this chart. Multiply the pipe's maximum working pressure by the temperature correction factor for a known temperature.

Example: For 2" Schedule 80 PVC pipe, the maximum working pressure is 400 psi. If the operating temperature is known to be 110°F, the correction factor can be found on the chart to be 0.50. The adjusted pressure would then be 400 × 0.50 = 200 psi.

TEMPERATURE CORRECTION FACTORS

Operating Temperature (°F)	70	80	90	100	110	115	120	125	130	140	150	160	170	180	200
PVC 1120	1.00	.88	.75	.62	.50	.45	.40	.35	.30	.22	Not Recommended				
CPVC 4120	1.00	1.00	.91	.82	.77	.74	.65	.66	.62	.50	.47	.40	.32	.25	.20

CAUTION: Esilon ThermoPlastics does not recommend its products for use in air or compressed gas systems.

PVC Type I Pressure Rated Pipe

FOR WATER MAINS, IRRIGATION, ETC.

SDR 26 NSF — W.P. 160 PSI (Water @ 73.4° F.)

SDR 21 NSF — W.P. 200 PSI (Water @ 73.4° F.)

Nominal Pipe Size (in.)	O.D.	Min. Wall	Average I.D.	Nominal Weight per ft.
1/2	See SDR 13.5			
3/4	See SDR 21			
1	1.315	.060	1.175	.164
1-1/4	1.660	.064	1.512	.221
1-1/2	1.900	.073	1.734	.284
2	2.375	.091	2.173	.432
2-1/2	2.875	.110	2.635	.622
3	3.500	.135	3.210	.915
3-1/2	4.000	.154	3.672	1.183
4	4.500	.173	4.134	1.494
5	5.563	.214	5.109	2.288
6	6.625	.255	6.085	3.228
8	8.625	.332	7.921	5.468
10	10.750	.413	9.874	8.492
12	12.750	.490	11.710	11.956

Nominal Pipe Size (in.)	O.D.	Min. Wall	Average I.D.	Nominal Weight per ft.
1/2	See SDR 13.5			
3/4	1.050	.060	.910	.129
1	1.315	.063	1.169	.170
1-1/4	1.660	.079	1.482	.263
1-1/2	1.900	.090	1.700	.339
2	2.375	.113	2.129	.521
2-1/2	2.875	.137	2.581	.754
3	3.500	.167	3.146	1.106
3-1/2	4.000	.190	3.596	1.443
4	4.500	.214	4.046	1.825
5	5.563	.265	5.001	2.792
6	6.625	.316	5.955	3.964

For additional information call: 610-275-4453 or Fax: 610-279-6299
Please call for current prices.

POLYETHYLENE PIPE - super strong plastic pipe

**Custom length coils
available on
special order**



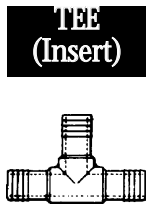
SDR 15 100 PSI						100' COIL		FULL COIL	
SIZE	ID	MIN. WALL	WGHT PER 100'	MAX PSI @ 7.34°F	COIL LGTH	FIG. NO.	PRICE	FIG. NO.	PRICE
3/4"	.824	.060	7.4	100	100/400	15397		15398	
1"	1.049	.070	10.6	100	100/300	15399		15400	
1 1/4"	1.380	.092	18.5	100	100/300	15401		15402	
1 1/2"	1.610	.107	25.5	100	100/250	15403		15404	
2"	2.067	.138	41.7	100	100/200	15405		15406	
3"	3.068	.205	88.0	100	100				
4"	4.026	.268	126.0	100	20				

SDR 11.5 125 PSI						100' COIL		FULL COIL	
SIZE	ID	MIN. WALL	WGHT PER 100'	MAX PSI @ 7.34°F	COIL LGTH	FIG. NO.	PRICE	FIG. NO.	PRICE
1/2"				125	100/400	47961		47962	
3/4"	.824	.072	9.0	125	100/400	15407		15408	
1"	1.049	.091	14.1	125	100/300	15409		15410	
1 1/4"	1.380	.120	24.5	125	100/300	15411		15412	
1 1/2"	1.610	.140	33.5	125	100/250	15413		15414	
2"	2.067	.180	55.5	125	100/200	15415		15416	

SDR 9 160 PSI						100' COIL		FULL COIL	
SIZE	ID	MIN. WALL	WGHT PER 100'	MAX PSI @ 7.34°F	COIL LGTH	FIG. NO.	PRICE	FIG. NO.	PRICE
3/4"	.824	.092	11.5	160	100/400	15417		15418	
1"	1.049	.117	18.5	160	100/300	15419		15420	
1 1/4"	1.380	.153	31.5	160	100/300	15421		15422	
1 1/2"	1.610	.179	43.0	160	100/250	15423		15424	
2"					100/200	15425		15426	

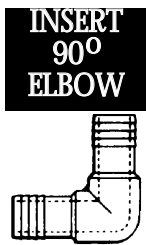
SDR 7 200 PSI						100' COIL		FULL COIL	
SIZE	ID	MIN. WALL	WGHT PER 100'	MAX PSI @ 7.34°F	COIL LGTH	FIG. NO.	PRICE	FIG. NO.	PRICE
1"	1.049	.150	25.0	200	100/300	42763		42764	

INSERT FITTINGS FOR FLEXIBLE PIPE (NYLON AND PVC)



SIZE	FIG. NO.	PRICE
PVC		
1/2	10398	
3/4	10401	
1	10403	
1 1/4	10407	
1 1/2	10410	
2	10414	
3	28381	

SEE PUMP SECTION FOR STEEL AND STAINLESS STEEL FITTINGS!



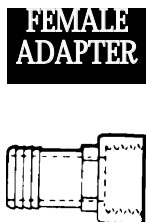
SIZE	FIG. NO.	PRICE
PVC		
1/2	10417	
3/4	10420	
1	10426	
1 1/4	10431	
1 1/2	10439	
2	10444	
3	28436	
NYLON		
3/4	61795	
1	55890	
1 1/4	62273	



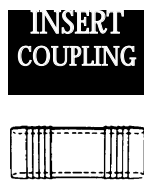
SIZE	FIG. NO.	PRICE
PVC		
1/2X1/2	10454	
3/4X3/4	10458	
1X1/2	38764	
1X1	10463	
1 1/4X1 1/4	10471	
1 1/2X1 1/2	10478	



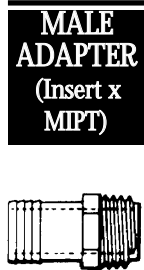
SIZE	FIG. NO.	PRICE
PVC		
1/2	10495	
3/4	10503	
1	10511	
1 1/4	10523	
1 1/2	10526	
2	10531	



SIZE	FIG. NO.	PRICE
PVC		
1/2	10648	
3/4	10652	
1	10656	
1 1/4	10659	
1 1/2	10662	
2	10666	



SIZE	FIG. NO.	PRICE
PVC		
1/2	10534	
3/4	10541	
1	10544	
1 1/4	10550	
1 1/2	10556	
2	10563	
3	26879	
4	26880	
NYLON		
1	55891	
1 1/4	60424	



SIZE	FIG. NO.	PRICE
PVC		
1/2	10669	
3/4	10676	
1	10682	
1 1/4	10691	
1 1/2	10708	
2	10714	
3	25903	
4	25917	
NYLON		
1	54284	
1 1/4	62491	



INDUSTRIAL STAINLESS STEEL CLAMPS

POW'R-GEAR Clamps, 60 series - provides the extra muscle you need for your high-torque applications. 150 inch lbs. of torque delivers over 800 lbs. of band tension. 10 to a box.

MIN	MAX	FIG. NO.	PRICE/EA
1 1/4	2 5/8	50729	
2 1/8	4 1/8	50730	
4	6 1/8	50731	
6 1/8	9 1/8	50732	



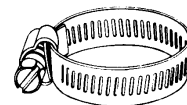
LOX-ON all stainless steel clamp. SIMPLIFY YOUR INVENTORY! ONE SIZE FITS 1/2"-2" PIPE. For Extra tough installations - the pump installers friend. 50 to a box.

FIG. NO.	PRICE/EA
9232	



Micro-clamp, all stainless steel clamp. 10 to a box.

SIZE	FIG. NO.	PRICE
1/4-5/8	9234	
5/16-7/8	9235	



ALL STAINLESS STEEL CLAMP

Band and housing of 18-8 and 3/8" hex-head screw made of 400 series stainless. 10 to a box.

SIZE NO.	SIZE RANGE	FIG. NO.	PRICE	SIZE NO.	SIZE RANGE	FIG. NO.	PRICE
08	7/16-1	9212		44	1 5/16-3 1/4	18072	
10	1/2-1 1/16	9214		48	1 5/8-3 1/2	18071	
12	1/2-1 1/4	9216		52	1 7/8-3 3/4	9228	
16	3/4-1 1/2	9218		72	3/8 - 5	9229	
20	3/4-1 3/4	9219		88	4 1/4 - 6	18074	
24	1-2	9220		128	2 1/2 - 8 1/2	16316	
28	1 5/16-2 1/4	9222		164	2 1/2 - 10 3/4	16320	
32	1 9/16-2 1/2	9223		188	2 1/2 - 12	16322	
36	7/8-2 3/4	9226		248	2 1/2 - 16	16324	
40	1 1/8-3	9227					

PLASTIC HOSE AND TUBING

CLEAR VINYL TUBING

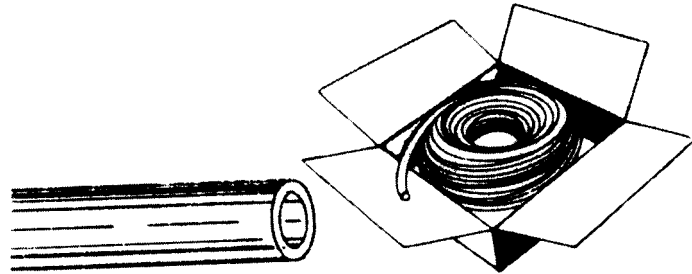
All components of the PVC compound are sanctioned by the US Food and Drug Administration for good packaging applications under Title 21 of the Code of Federal Regulations.

Clear, flexible tubing is suitable for use in low pressure applications including drain lines, laboratory tubing, industrial, chemical and agricultural uses and food and beverages applications.

Has good chemical resistance to alkaline, ammonium compounds, brine, some acids and alcohols.

Temperature range: -5°F to 125°F

74 74+/- 5 duromet



ID	OD	WALL	W/P 68°F	FIG. NO.	PER FOOT		PER COIL	
					PRICE	Coil Length	FIG. NO.	PRICE
1/8	3/16	1/32	50	11402		100'	17701	
3/16	5/16	1/16	60	11403		100'	17702	
1/4	3/8	1/16	50	11404		100'	17703	
5/16	7/16	1/16	50	11406		100'	17704	
3/8	1/2	1/16	45	11407		100'	17705	
1/2	5/8	1/16	30	11408		100'	17706	
5/8	7/8	1/8	30	11410		100'	17707	
3/4	1	1/8	25	11412		100'	17708	
7/8	1 1/8	1/8	35	38091		100'	51450	
1	1 1/4	1/8	25	11413		100'	17709	
1 1/4	1 5/8	3/16	30	11414		50'	17710	
1 1/2	1 7/8	3/16	30	11416		50'	17711	
2	2 1/2	1/4	30	11417		50'	17712	

REINFORCED VINYL TUBING



Food Grade

Features clear and flexible non-marking cover made with compounds shown on approved list.

Uses: transfer of air and water; drinking water pressure lines; any application in which transparent hose is required or desired.

Tube & Cover: Clear food grade PVC. Reinforced with high tensile strength yard.

Temperature range: 25°F to + 150°F; -5°C to +65°C

ID	OD	WALL	W/P 68°F	FIG. NO.	PER FOOT		PER COIL	
					PRICE	Coil Length	FIG. NO.	PRICE
3/16	.375	250	1000	11384		500'	17689	
1/4	.460	250	1000	11386		500'	17690	
5/16	.525	250	1000	11389		500'	17691	
3/8	.600	225	900	11390		500'	17692	
1/2	.750	200	800	11392		300'	17694	
5/8	.875	200	800	11393		300'	17695	
3/4	1.030	150	600	11395		300'	17696	
1	1.312	125	500	11397		100'	17697	
1 1/4	1.687	100	400	11398		100'	17698	
1 1/2	1.937	75	300	11399		100'	17699	
2	2.500	75	300	11401		100'	17700	

PLASTIC HOSE & TUBING (CONT'D)

POLY TUBE

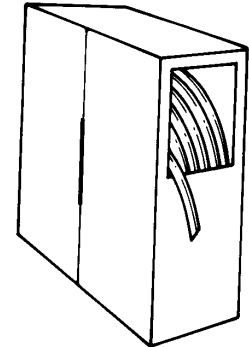
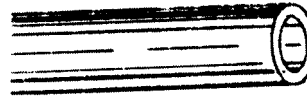
Low density polyethylene tubing has a wide range of uses including water lines, beverage tubing, air lines, instrumentation, plus uses in industrial, agricultural and chemical applications.

Has good chemical resistance to alkalines, dilute acid, ammonia gas, ammonium hydroxide, brine water, and most aqueous solutions of metallic salts.

Natural compound meets the Food and Drug Administration Code of Federal Regulations, Title 21, Part 177, 1520 (c) 2.1 for a resin which may be processed for contact with human food.

Temperature range: -40°F to 136°F

Natural color: ASTM D-1248-84 Type 1, Class A, Category 4.



				PER FOOT	PER 100FT COIL		
--	--	--	--	----------	----------------	--	--

OD	ID	WALL	W/P 70°F	FIG. NO.	PRICE	FIG. NO.	PRICE
1/4"	.170	.040	150	11418		17713	
5/16"	.233	.040	130	11419		17714	
3/8"	.250	.0625	125	11421		17715	
1/2"	.375	.0625	100	11422		17716	
5/8"	.500	.0625	70	11423		17718	
3/4"				44590		44589	
7/8"				47850		47849	

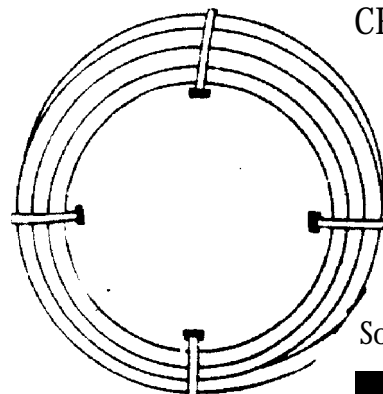
FIBERGLASS GRATING

*Grating

*Floor Plate

*Structurals, Handrails & Platforms

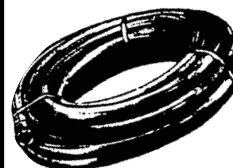
*Ladders



CREAMERY WASH DOWN HOSE (HOT WATER)

White EPDM cover resists scuffing, abrasion & cracking. Kink resistant handles hot water to 298°F. 3/4" ID x 1 1/4" OD Max. W.P. 200 °. Sold per foot.

FIG. NO.	PRICE
11373	




CONTRACTORS RUBBER WATER HOSE


Heavy duty black EPDM rubber. Heavy brass octagon coupling. 150 lb. working pressure.

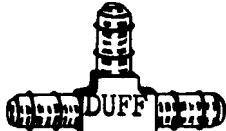
FIG. NO.	PRICE
3/4 X 25'	11432
3/4" X 50'	11434
3/4" X 100'	40204


First quality


For additional information call: 610-275-4453 or Fax: 610-279-6299
Please call for current prices.


	BRASS		NYLON	
	SIZE	FIG. NO.	FIG. NO.	PRICE
HOSE BARB TO MALE PIPE				
	1/8 X 1/8	4887	-	
	3/16 X 1/8	4890	-	
	3/16 X 1/4	4892	-	
	1/4 X 1/8	4894	4637	
	1/4 X 1/4	4895	4643	
	1/4 X 3/8	4897	26916	
	1/4 X 1/2	-	26917	
	5/16 X 1/4	4899	-	
	3/8 X 1/8	4900	-	
	3/8 X 1/4	4902	4649	
	3/8 X 3/8	4903	4652	
	3/8 X 1/2	4905	4654	
	1/2 X 1/4	4912	26915	
	1/2 X 3/8	4914	4656	
	1/2 X 1/2	4916	4659	
	1/2 X 3/4	4917	4661	
	5/8 X 3/8	4918	26912	
	5/8 X 1/2	4922	26913	
	5/8 X 3/4	4924	26914	
	3/4 X 1/2	4925	22631	
3/4 X 3/4	4927	21661		
1 X 3/4	36209	-		
1 X 1	36210	-		

	BRASS		NYLON	
	SIZE	FIG. NO.	FIG. NO.	PRICE
HOSE BARB X FEMALE PIPE				
	1/4 X 1/4	4933	4689	
	3/8 X 1/4	4936	-	
	3/8 X 3/8	4939	-	
	1/2 X 1/2	4949	47324	

	BRASS		NYLON	
	SIZE	FIG. NO.	FIG. NO.	PRICE
UNION TEE TUBE ALL ENDS				
	1/4	-	4682	
	3/8	-	4683	

	BRASS		NYLON	
	SIZE	FIG. NO.	FIG. NO.	PRICE
HOSE X HOSE SPLICER				
	1/4	4951	4666	
	5/16	-	42458	
	3/8	4952	4669	
	1/2	4954	4671	
	3/4	-	42460	

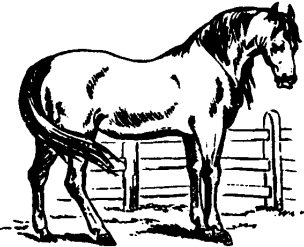
	BRASS		NYLON	
	SIZE	FIG. NO.	FIG. NO.	PRICE
HOSE BARB 90° ELBOW				
	1/4 X 1/8	-	4673	
	1/4 X 1/4	-	4674	
	3/8 X 1/8	-	22154	
	3/8 X 1/4	-	4675	
	3/8 X 3/8	-	4676	
	1/2 X 1/4	-	26918	
	1/2 X 3/8	-	4678	
	1/2 X 1/2	-	4680	
	1/2 X 3/4	-	55638	
	5/8 X 3/8	-	39052	
5/8 X 1/2	-	55416		




**BUYING QUALITY
PRODUCTS
IS LIKE BUYING
OATS . . .**


If you want nice, clean, fresh oats,
you must pay a fair price. However,
if you can be satisfied with oats that
have already been through the horse


Well . . . That Comes A Little Cheaper





NYLON TUBING FITTINGS AND CONNECTORS


	OD	PIPE THRD-	FIG. NO.	PRICE
CONNECTOR TUBE TO MPT				
	1/8	1/8	3559	
	1/4	1/8	3564	
	1/4	1/4	3565	
	1/4	3/8	3567	
	5/16	1/8	47104	
	5/16	1/4	3569	
	3/8	1/8	22282	
	3/8	1/4	3570	
	3/8	3/8	3571	
	3/8	1/2	47105	
	1/2	1/4	29584	
	1/2	3/8	3572	
	1/2	1/2	3575	
	5/8	3/8	24097	
	5/8	1/2	3576	
	3/4	1/2	3577	
	3/4	3/4	29585	
	7/8	3/4	47106	


	OD	PIPE THRD-	FIG. NO.	PRICE
UNION TUBE X TUBE				
	1/4	1/4	3579	
	5/16	5/16	29587	
	5/16	1/4	29588	
	3/8	3/8	3581	
	3/8	1/4	29589	
	1/2	1/2	3583	
	1/2	3/8	29590	
	5/8	5/8	3585	


	OD	PIPE THRD-	FIG. NO.	PRICE
TEE TUBE X TUBE X TUBE				
	1/4	1/4	3628	
	5/16	5/16	3630	
	3/8	3/8	3631	
	1/2	1/2	3635	
	5/8	5/8	3638	


	OD	PIPE THRD-	FIG. NO.	PRICE
90° ELBOW TUBE X MPT				
	1/4	1/4	3590	
	1/4	1/8	42455	
	1/4	3/8	3592	
	5/16	1/4	3593	
	3/8	1/4	3596	
	3/8	3/8	3599	
	1/2	3/8	3600	
	1/2	1/2	3604	
	5/8	3/8	48970	
	5/8	1/2	3606	


	OD	PIPE THRD-	FIG. NO.	PRICE
FEMALE COUPLING TUBE X FPT				
	1/4	1/8	29617	
	1/4	1/4	29618	
	3/8	1/4	29620	
	3/8	3/8	29621	
	1/2	3/8	29622	
	1/2	1/2	29624	
	5/8	1/2	29625	


	OD	PIPE THRD-	FIG. NO.	PRICE
90° ELBOW TUBE X TUBE				
	1/4	1/4	3609	
	3/8	3/8	3611	
	1/2	1/2	3612	
	5/8	5/8	3614	

	OD	PIPE THRD-	FIG. NO.	PRICE
TEE TUBE X MPT X TUBE				
	1/4	1/4	29595	
	5/8	1/2	29601	

	OD	PIPE THRD-	FIG. NO.	PRICE
90° ELBOW TUBE X FPT				
	1/4	1/4	29604	
	5/16	1/4	29605	
	3/8	1/4	29606	
	3/8	3/8	29608	
	1/2	3/8	29609	
	1/2	1/2	29610	
	5/8	1/2	29611	

	OD	PIPE THRD-	FIG. NO.	PRICE
TEE TUBE X TUBE X MPT				
	1/4	1/4	3616	
	5/16	1/4	29592	
	3/8	1/4	3617	
	3/8	3/8	3619	

	OD	PIPE THRD-	FIG. NO.	PRICE
NYLON INSERT				
	1/4	1/4	3675	
	5/16	5/16	3678	
	3/8	3/8	3682	
	1/2	1/2	3685	

	OD	PIPE THRD-	FIG. NO.	PRICE
COMPRESSION NUT				
	1/4	1/4	3641	
	5/16	5/16	3642	
	3/8	3/8	3644	
	1/2	1/2	3647	
	*1/4	1/4	3649	
	*3/8	3/8	3660	
	*1/2	1/2	3663	
	*5/8	5/8	64617	
	*6mm	6mm	64155	

*provided with SS Gripper



HOSE

STEAM HOSE



Kink-proof, flexible hose designed to convey saturated steam with safety. Reinforced with steel wire and glass cord and specially compounded cover. Sold by the foot, can be made up with fittings!

ID	OD	MAX WP, LBS	BRAID	FIG. NO.	PRICE
1/2	1 1/8	200	2	11424	
3/4	1 13/32	200	2	11426	
1	1 21/32	200	2	11427	



AUTOMATIC WATER-SAVER SPRAY NOZZLE

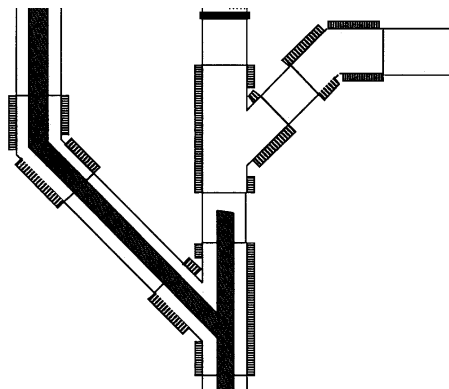
The Strahman spray nozzle does a better job with the least amount of water. This precision made nozzle enables the operator to get any type stream of water to do his job by simply pressing the lever. A soft spray is sent forth with slight pressure on the lever, and a strong straight stream may be had by pushing the lever all the way down. This convenient control of the waste water assures better cleaning with a lot less effort. The nozzle automatically shuts off the moment the lever is released, thereby eliminating all waste water.

Fig. No.	Price
30906	



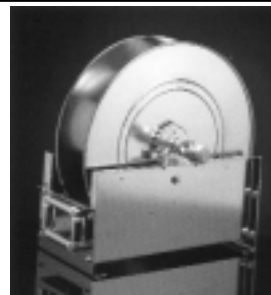
HYDRAULIC HOSE ASSEMBLIES

1-WIRE, 2-WIRE braid. Meets all requirements of SAE100R1 and SAE 100R2. 1-wire hose (100R1) recommended for medium pressure and 2-wire hose (100R2) for high pressure hydraulic service. Both ends coupled with solid male IPT couplings. Each assembly is "sleeved" for easy handling and shelf storage. CALL FOR PRICING!



**DOUBLE CONTAINMENT
PIPING SYSTEMS**

Call for Quotes!
610-275-4453



HOSE REELS BY

Q REELCRAFT

**HOSE REELS FOR AIR, WATER AND
OTHER LIQUIDS**

MANY STYLES AVAILABLE

For additional information call: 610-275-4453 or Fax: 610-279-6299.
Please call for current prices.

SUCTION & DISCHARGE HOSE

PVC SUCTION HOSE

Green

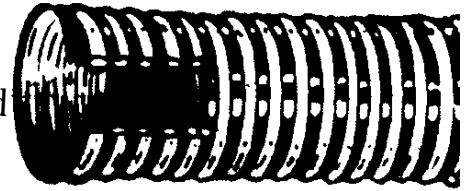
Smooth bore and cover

Reinforced with a tough, rigid PVC helix to withstand crushing, kinking, and vacuum pressures.

Highly resistant to ozone, weather, salt and alkaline

Temperature range form +15⁰ to 150⁰F.

Full 100' coils are also available!



SIZE	PER FOOT (STANDARD COILS 20', 25', 50', 100')		20' WITH SHANK COUPLING		20' WITH C&E QUICK CONNECTS	
	FIG. NO.	PRICE	FIG. NO.	PRICE	FIG. NO.	PRICE
1	17719		-		-	
1 1/4	11302		11311		47011	
1 1/2	11303		11316		47012	
2	11304		11318		47013	
3	11305		11320		47014	
4	11306		11322		47015	



RUBBER SUCTION HOSE

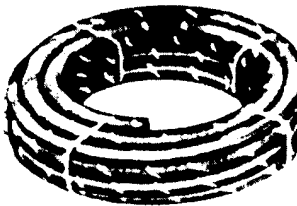
Smooth SBR bore & cover

Black with green stripe

Full 100' coils available!

Coupled lengths are also available upon your request!

Priced per foot



ID	OD	FIG. NO.	PRICE (PER FT)
1 1/2"	2-3/8"	40123	
2"	2-9/16"	40124	
3"	3-9/16"	40125	
4"	4-11/16"	40126	
6"	7"	40127	

Available with shank couplers or quick connects!

PVC LAY FLAT DISCHARGE HOSE

Blue polyvinyl tube and cover with synthetic fiber reinforcement.

Will not rot or mildew.

Coils flat for easy handling, storage and shipping

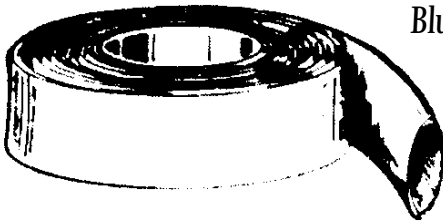
Continuous 1 piece lengths

Temperature range from 4⁰F to 122⁰F

Coupled lengths are also available upon your request!

Also available in full 300' lengths!

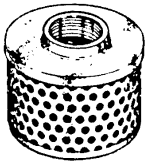
Priced per foot



ID	WP/PSI	FIG. NO. (Per Foot)	PRICE
1 1/4"		11359	
1 1/2"	80	11360	
2"	80	11361	
3"	70	11362	
4"	70	11363	

HOSE ACCESSORIES

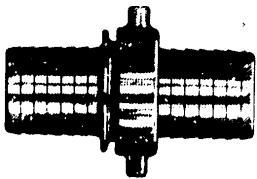
SIZE FIG. NO. PRICE
SUCTION HOSE STRAINERS



1 1/2	4602
2	4608
2 1/2	4610
3	4613
4	4616
6	4617

SHANK COUPLINGS

1" furnished with octagon nut
 1 1/2" thru 2" furnished with lugs on female only.
 2 1/2" thru 6" have lugs on both male and female sides



1 1/2	4564
2	4566
2 1/2	4568
3	4570
4	4572
6	4574

SIZE FIG. NO. PRICE
FOOT VALVE



Painted Cast Iron

1 1/2	10589
2	10592
3	10597
4	10600
6	10604

SHANK COUPLING WASHER



Rubber

3/4	48898
1	48899
1 1/4	48900
1 1/2	48901
2	48902
2 1/2	48903
3	48904
4	48905

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 OPEN**

**365 DAYS A YEAR
 24 HR EMERGENCY SERVICE!**

SIZE FIG. NO. PRICE
COMBINATION HOSE NIPPLE



King Nipple
 Cadmium plated steel

1/2	49163
3/4	49153
1	49154
1 1/4	49155
1 1/2	49156
2	49157
2 1/2	49158
3	49159
4	49160
5	49161
6	49162
8	60201

COMBINATION HOSE NIPPLE



**STAINLESS
 STEEL**

King Nipple
 Stainless Steel

1/2	49164
3/4	49165
1	49166
1 1/4	49167
1 1/2	49168
2	49169


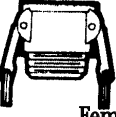
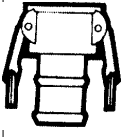
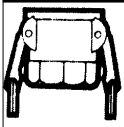



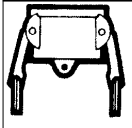
**YOU ARE
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 COMPANY!**

**VISIT US
 ANYTIME!**



QUICK DISCONNECT COUPLINGS & ADAPTERS

FITTINGS AVAILABLE TO 6" !

		ALUMINUM		BRASS		IRON		STAINLESS STEEL		POLY	
		FIG. NO.	PRICE	FIG. NO.	PRICE	FIG. NO.	PRICE	FIG. NO.	PRICE	FIG. NO.	PRICE
 <p>A Male Adapter FPT X Male Coupler</p>	3/4	3800		4230		34103		34178		4428	
	1	3804		4231		34104		34179		4430	
	1 1/4	3808		4233		34105		34180			
	1 1/2	3812		4234		33799		34181		4433	
	2	3813		4260		34107		34182		4435	
	3	3824		4261		34109		34183		4438	
 <p>B Female Coupler Coupler X MPT</p>	3/4	3836		4265		34113		34186		4450	
	1	3839		4267		34114		34187		4452	
	1 1/4	-		4268		34115		34188		-	
	1 1/2	3846		4269		34116		34189		4456	
	2	3847		4271		34117		34190		4458	
	3	3853		4274		34119		34191		4460	
 <p>C Hose Shank Coupler Fem Coupler X Hose Shank</p>	3/4	3957		4278		34123		34194		4466	
	1	3959		4279		34124		34195		4469	
	1 1/4	4146		4281		34125		34196		-	
	1 1/2	3963		4282		34126		34197		4474	
	2	3966		4283		34127		34198		4479	
	3	3970		4291		34129		34199		4480	
 <p>D Fem Coupler Fem Coupler X FPT</p>	3/4	3974		4295		34133		34202		4483	
	1	4051		4296		34134		34203		4485	
	1 1/4	4054		4298		34135		34204		-	
	1 1/2	4056		4299		33800		34205		4490	
	2	4057		4302		34136		34206		4492	
	3	4074		4304		34138		34207		4499	
 <p>E Hose Shank Adapter Male Coupler X Hose Shank</p>	3/4	4092		4312		34142		34210		4504	
	1	4094		4314		34143		34211		4505	
	1 1/4	4097		4315		34144		34212		-	
	1 1/2	4099		4316		34145		34213		4510	
	2	4103		4317		34146		34214		4515	
	3	4106		4319		34147		34216		4517	
 <p>F Male Adapter MPT X Male Coupler</p>	3/4	4184		4324		34151		34219		4520	
	1	4185		4325		34152		34220		4521	
	1 1/4	4193		4326		34153		34221		-	
	1 1/2	4194		4327		34154		34222		4554	
	2	4196		4328		34155		34223		4530	
	3	4199		4330		34157		34224		4534	
 <p>DP Dust Plug Male Coupler</p>	3/4	-		4359		34160		34226		4551	
	1	-		4385		34161		34227		4552	
	1 1/4	-		4387		34162		34228		-	
	1 1/2	-		4390		33801		34229		4557	
	2	4224		4395		34163		34230		4559	
	3	4227		4398		34165		34231		4560	
 <p>DC Dust Cap Female Coupler</p>	3/4	4204		4334		34168		34233		4541	
	1	4205		4336		34169		34234		4544	
	1 1/4	-		4343		34170		34235		-	
	1 1/2	-		4346		34171		34236		4546	
	2	4209		4348		34172		34237		4548	
	3	4212		4352		34174		34238		4549	
4	4214		4355		34175		34239		-		

- Excellent
- Good
- Good to 80°F
- Moderate effect
- Use under limited conditions
- Not Recommended
- Autocatalytic
- Unknown

CHEMICAL RESISTANCE GUIDE
INDUSTRIAL CHEMICALS

CHEMICAL	CpVC	PVC	Ryton	Polypropylene	Polyethylene	Lucite	Acrylic	Teflon	SS 316	CARP 20	EPDM	Silastic	Ceramic	Hypalon	Viton
FERRIC NITRATE	A	A	A	A	E	A	A	A	B	A	A	D	A	B	B
FERRIC SULFATE	A	A	A	A	E	A	A	A	A	A	A	D	A	B	B
FEROUS CHLORIDE	A	A	A	A	A	A	A	A	E	E	B	X	A	B	B
FEROUS SULFATE	A	A	A	A	B	A	A	A	D	B	B	X	A	B	B
FLUOBORIC ACID	A	A	A	A	E	B	B	A	B	A	B	X	E	B	X
FLUOSILICIC ACID	A	A	A	A	A	B	B	A	B	B	X	X	E	X	B
FORMALDEHYDE, 40%	B	B	A	A	B	A	A	A	A	A	A	X	A	B	E
FORMIC ACID	C	C	A	A	B	E	E	A	B	A	B	D	A	B	E
FREON 12 (WET)	C	C	X	A	X	X	X	A	E	X	D	E	A	E	A
FUEL OILS	A	A	A	C	X	X	X	A	A	A	E	E	A	B	B
FURFURAL	E	E	A	E	X	X	X	A	B	A	D	X	A	X	E
GASOLINE	C	C	A	E	X	E	E	A	A	A	E	E	A	E	A
GLYCERINE (GLYCEROL)	A	A	A	A	X	A	A	A	A	A	A	A	A	B	B
HEPTANE	A	A	A	C	X	X	X	A	A	A	X	E	A	B	B
HEXANE	C	C	A	C	X	X	X	A	A	A	E	X	A	B	B
HYDROBROMIC ACID, 20%	A	A	A	A	B	X	X	A	E	E	B	E	C	A	A
HYDROCHLORIC ACID, 0-25%	A	A	A	A	B	A	A	A	E	E	C	E	C	A	B
HYDROCHLORIC ACID, 25-37%	A	A	A	A	B	A	B	A	E	E	C	E	C	A	A
HYDROCYANIC ACID	A	A	A	A	B	A	B	A	A	A	B	E	C	X	A
HYDROFLUORIC ACID, 10%	C	C	A	A	A	A	B	A	C	C	B	E	E	A	A
HYDROFLUORIC ACID, 30%	C	C	A	B	D	D	E	A	C	C	C	E	E	A	A
HYDROFLUORIC ACID, 60%	D	D	C	B	E	D	E	A	C	C	D	E	E	D	A
HYDROFLUOSILICIC ACID, 20%	A	A	A	A	A	B	D	A	B	B	A	E	E	X	B
HYDROGEN PEROXIDE, 30%	A	A	B	A	B	A	B	A	B	A	D	A	X	A	A
HYDROGEN PEROXIDE, 50%	C	C	D	X	B	X	X	A	B	A	E	B	X	A	A
HYDROGEN PEROXIDE, 90%	E	E	D	X	D	X	E	A	B	A	E	B	X	D	A
HYDROGEN SULFIDE, AQ. SOL.	C	C	A	A	X	A	B	A	B	A	A	D	X	B	B
IODINE (IN ALCOHOL)	E	E	A	C	E	X	E	A	B	B	E	E	A	E	A
KEROSENE	B	B	A	C	X	A	X	A	A	A	E	E	A	E	A
KETONES	E	E	A	E	X	E	E	A	A	A	X	X	A	E	E
LACQUER THINNERS	D	D	A	C	X	E	E	A	A	A	E	E	A	X	X
LACTIC ACID	B	B	A	A	A	D	E	A	B	A	A	B	A	B	B
LEAD ACETATE	A	A	A	A	X	A	A	A	A	A	A	E	A	E	A
LUBRICATING OIL	C	C	A	C	D	A	A	A	A	A	E	E	A	D	A
MAGNESIUM CHLORIDE	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A
MAGNESIUM NITRATE	A	A	A	A	X	A	A	A	A	A	B	B	A	A	A
MAGNESIUM SULFATE	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
MALEIC ACID	A	A	A	A	X	X	E	A	B	A	E	X	A	A	A
METHYL ALCOHOL	C	C	X	A	E	X	E	A	A	A	B	A	A	B	D
METHYL CHLORIDE	E	E	X	E	X	E	E	A	A	A	D	X	A	E	A
METHYL ETHYL KETONE	E	E	A	C	X	E	E	A	A	A	B	D	A	E	E
METHYL ISOBUTYL KETONE	E	E	A	C	X	E	E	A	A	A	D	D	A	E	E
METHYLENE CHLORIDE	E	E	X	E	X	E	E	A	A	A	E	X	A	E	D
NAPHTHA	B	B	A	C	X	E	E	A	A	A	E	E	A	E	A
NAPHTHALENE	E	E	A	C	X	X	E	A	A	A	E	E	A	E	D
NICKEL CHLORIDE	A	A	A	A	A	A	A	A	B	B	A	B	A	B	B
NICKEL SULFATE	A	A	A	A	A	A	A	A	B	A	A	A	A	B	B
NITRIC ACID, 10%	A	A	A	A	A	D	E	A	B	A	D	B	A	A	A
NITRIC ACID, 20%	A	A	A	A	B	E	E	A	B	A	E	D	A	A	A
NITRIC ACID, 50%	A	A	C	C	C	E	E	A	B	A	E	E	A	E	A
NITRIC ACID, ANHYDROUS	E	E	D	E	E	E	E	A	B	A	X	E	A	E	B
NITRO BENZENE	E	E	A	C	X	E	E	A	B	A	E	E	A	E	E
OILS AND FATS	A	A	A	A	X	X	X	A	A	A	E	X	A	X	A
OLEIC ACID	A	A	A	C	E	X	E	A	B	B	D	X	A	D	D
OLEUM, 25%	E	E	X	X	E	E	E	A	X	X	X	X	A	E	A
OXALIC ACID	A	A	A	A	B	D	D	A	C	B	B	D	A	A	A
PHENOL	C	C	A	B	C	A	A	A	B	B	D	D	A	E	A

- A - Excellent
- B - Good
- C - Good to 80°F
- D - Moderate effect
- E - Use under limited conditions
- F - Not Recommended
- X - Autocatalytic
- Unknown

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PHOSPHORIC ACID, 0-50%	A	A	A	A	A	A	B	A	B	B	D	E	A	A	B
PHOSPHORIC ACID, 50-100%	B	B	A	B	B	A	D	A	B	B	E	E	A	A	B
POTASSIUM BICARBONATE	A	A	A	A	B	A	A	A	B	B	A	X	A	B	B
POTASSIUM BROMIDE	A	A	A	A	B	A	A	A	B	B	A	X	A	B	B
POTASSIUM CARBONATE	A	A	A	A	B	A	A	A	B	B	A	X	A	B	B
POTASSIUM CHLORATE	A	A	A	A	B	A	A	A	A	A	B	B	A	B	B
POTASSIUM CHLORIDE	A	A	A	A	A	A	A	A	D	C	A	B	A	B	B
POTASSIUM CYANIDE	A	A	A	A	X	A	A	A	A	B	B	A	A	B	B
POTASSIUM DICROMATE	A	A	A	A	B	A	A	A	A	A	B	A	A	B	B
POTASSIUM HYDROXIDE	A	A	A	A	A	D	E	A	B	B	D	D	E	B	B
POTASSIUM NITRATE	A	A	A	A	A	A	A	A	B	B	B	A	A	B	B
POTASSIUM PERMANGANATE	A	A	A	A	A	A	A	A	B	B	B	B	A	B	B
POTASSIUM SULFATE	A	A	A	A	A	A	A	A	B	B	A	A	A	B	B
PROPYL ALCOHOL	C	C	X	X	X	X	X	A	A	A	B	A	A	B	B
SOAPS	A	A	A	A	C	A	A	A	A	A	A	A	A	B	B
SODIUM ACETATE	A	A	A	A	A	A	A	A	B	B	A	X	A	A	E
SODIUM BICARBONATE	A	A	A	A	A	A	A	A	B	A	A	A	A	B	B
SODIUM BISULFATE	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B
SODIUM BISULFITE	A	A	A	A	A	A	A	A	B	B	A	B	A	B	B
SODIUM CARBONATE	A	A	A	A	A	A	A	A	B	A	B	A	A	B	B
SODIUM CHLORATE	A	A	A	A	A	A	A	A	B	B	B	X	A	B	B
SODIUM CHLORIDE	A	A	A	A	A	A	A	A	B	B	B	A	A	B	B
SODIUM CYANIDE	A	A	A	A	X	A	A	A	A	A	B	B	A	B	B
SODIUM HYDROXIDE, 20%	A	A	A	A	A	D	D	A	A	A	B	D	E	B	E
SODIUM HYDROXIDE, 50%	A	A	A	A	B	D	E	A	A	A	C	D	E	B	E
SODIUM HYPOCHLORITE	A	A	A	A	A	A	A	A	D	X	B	D	A	A	D
SODIUM NITRATE	A	A	A	A	A	A	A	A	A	A	A	E	A	B	B
SODIUM SILICATE	A	A	A	A	A	A	A	A	B	B	A	X	A	A	A
SODIUM SULFATE	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B
SODIUM SULFIDE	A	A	A	A	A	A	A	A	B	B	B	X	A	B	B
STANNIC CHLORIDE	A	A	A	A	A	A	A	A	E	C	D	D	A	D	B
STEARIC ACID	A	A	A	C	E	X	E	A	A	A	D	A	A	D	A
STODDARDS SOLVENT	E	E	A	X	X	X	X	A	A	A	E	E	X	X	A
SULFURIC ACID, 0-10%	A	A	A	A	A	A	D	A	E	A	D	E	A	A	A
SULFURIC ACID, 10-75%	A	A	B	A	C	D	E	A	E	A	E	E	A	A	A
SULFURIC ACID, 75-100%	C	C	C	C	C	E	E	A	E	A	E	E	A	D	A
TANNIC ACID	A	A	A	A	B	X	X	A	B	B	B	D	A	B	B
TANNING LIQUORS	A	A	A	A	A	X	X	A	A	A	E	X	A	X	A
TARTARIC ACID	A	A	A	A	X	X	E	A	B	B	D	B	A	B	B
TETRAHYDROFURANE	E	E	A	C	X	X	E	A	A	A	D	X	A	X	X
TOLUENE (TOLUOL)	E	E	A	C	E	E	E	A	A	A	E	X	A	E	E
TRICHLOROETHYLENE	E	E	A	C	E	X	X	A	B	B	E	X	A	E	A
TRICRESYLPHOSPHATE	E	E	A	X	X	X	X	A	A	A	B	X	A	E	A
TURPENTINE	B	B	A	C	X	X	X	A	A	A	E	X	A	E	A
UREA	A	A	A	A	X	X	X	A	B	B	X	X	A	A	E
VINEGAR	A	A	A	A	A	A	A	A	A	A	A	B	A	B	B
WHITE LIQUOR (ACID)	A	A	A	X	X	X	E	A	A	A	X	X	A	X	A
XYLENE (XYLOL)	E	E	A	E	E	E	E	A	A	A	E	E	A	E	A
ZINC CHLORIDE	A	A	A	A	A	A	A	A	B	A	A	X	A	B	B
ZINC SULFATE	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

The following pages are offered as a general guide and indication of the suitability of various elastomers in use today for service in these chemicals and fluids. The ratings are based, for the most part, on published literature of various polymer suppliers and rubber manufacturers but, in some cases, they are the considered opinion of experienced compounders. We cannot guarantee their accuracy nor assume responsibility for use thereof.

AIR LINE PRODUCTS

GENERAL PURPOSE LUBRICATORS

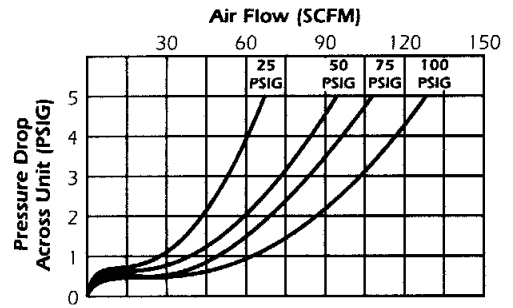
1/4" - 3/8" - 1/2" - 3/4" - 1" - 1 1/4" - 1 1/2"

High performance over a very wide flow range. These lubricators are ideal for those OEM applications where space is a key consideration.

BENEFITS

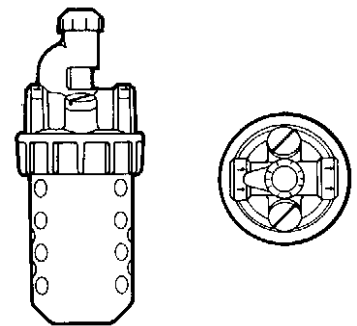
Lubricator is fillble while under pressure
Rate of lubricator is automatically proportioned to airflow eliminating readjustment.

General Purpose Lubricator Performance Data



This chart shows typical performance characteristics under normal operating conditions.

FIG. NO.	PORT SIZE	BOWL TYPE	PRICE
11264	1/4"	Polycarbonate with plastic bowl guard	
11266	3/8"	Polycarbonate with plastic bowl guard	
11270	1/2"	Polycarbonate with plastic bowl guard	
11292	3/4"		
11294	1"		
DL606-10W	1 1/4"		
DL606-12W	1 1/2"		

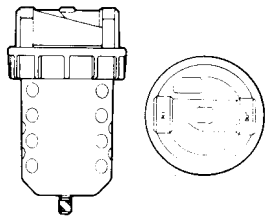


Pressure range 140 PSI max, Temperature Range 40° - 120°F

OPTIONS: Zinc Bowl with Sight Glass, Steel Bowl, Steel Bow with Sight glass

GENERAL PURPOSE FILTERS

Standard features include 40 micron polypropylene element, zinc body and manual drain.



SIZE	FIG. NO.	PRICE
1/4"	11287	
3/8"	11289	
1/2"	11290	
3/4"	11292	
1"	11294	

5 MICRON ELEMENT FEATURE ALSO AVAILABLE!

ASME RELIEF VALVES APPLICATIONS

ASME air relief valve, high capacity series. ASME coded national board capacity certified, designed to protect air receivers and other unfired pressure vessels. Factory set and sealed.

SPECIFY PRESSURE SETTING AT TIME OF ORDER!

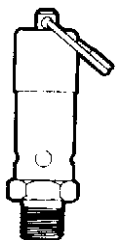


FIG. NO.	SIZE	MATERIAL	PRICE
D159-02	1/4"	Metal to metal seat	
D159-03	3/8"	Metal to metal seat	
D159-04	1/2"	Metal to metal seat	

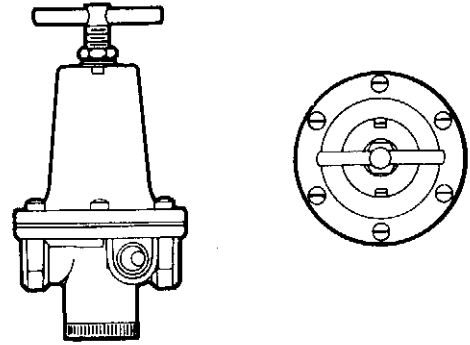
AIR LINE PRODUCTS
GENERAL PURPOSE
FILTERS/REGULATORS

1/4" - 3/8" - 1/2" SERIES

High capacity performance featuring rugged design for the most demanding applications. Ideal for those installations calling for constant pressure with wide variation in flow.

STANDARD FEATURES

- *Reduced pressure range: 2-125 psig (.15-8.5 BAR)
- *Supply pressure: 300 psig max (20.4 BAR)
- *Temperature range: 40o-120oF (4.4o-48.9oC)
- *Brass bottom plug
- *Diaphragm operated
- *Zinc body
- *Relieving
- *Aluminum spring cage
- *Spring adjustment mechanism



SIZE	FIG. NO.
1/4"	11275
3/8"	11279
1/2"	11281
3/4"	11283
1"	11285

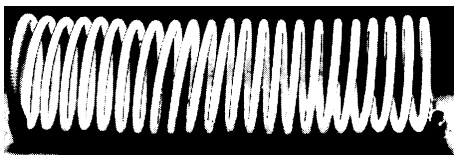


AIR HOSE
 EPDM tube & cover
 Red smooth

Acceptable for spraying, including Monstano's Lasso.
 Fittings attached to your specs, please inquire!
 Full 500' reels are available!

ID	OD	COLOR	WP PSI	FIG. NO.	PRICE
1/4"	19/32"	RED	250	11374	
3/8"	23/32"	RED	250	11376	
1/2"	7/8"	RED	250	11377	
3/4"	1-5/32"	RED	250	11379	
1"	1-1/2"	RED	250	20741	

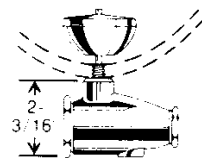
COILS WITH FITTINGS!	
FIG. NO.	PRICE
1/4" X 25'	11380
1/4" X 50'	38604



NYLON RECOIL HOSE

Yellow coupled. Stretches and recoils just like a telephone cord. Highest quality brass fittings, oil proof, abrasion resistant. Allows full flow of air. Recoils out of the way. Lightweight. 200LB. W/P. 1/4" ID solid x solid.

Fig. No.	Price
3791	



EXTERNAL AUTO DRAIN

Fig. No.	Price
SA602D	



SAFETY BLOW GUN

Fig. No.	Price
3797	




“AIR CHIEF” INDUSTRIAL QUICK-CONNECT FITTINGS




INDUSTRIAL INTERCHANGE




“Air-Chief” industrial quick-connect fittings are of the popular industrial interchange design and will interchange with many other makes. Rated 300 PSI.




SEMI-AUTOMATIC




Couplers automatically shut-off when uncoupled.




1/4" PLUGS	Size	Fig. No.	Price
	MALE NPT		
	1/8	30867	
	1/4	3688	
	FEMALE NPT		
	1/8	30868	
	1/4	3698	
	HOSE SHANK		
	1/4	3702	
	5/16	30869	
	3/8	3707	

1/4" COUPLERS	Size	Fig. No.	Price
	MALE NPT		
	1/8	30879	
	1/4	3730	
	FEMALE NPT		
	1/8	30891	
	1/4	3735	
	HOSE SHANK		
	1/4	3742	
	5/16	30880	
	3/8	3746	

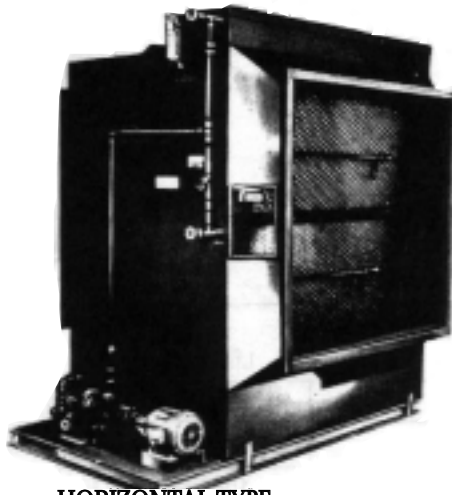
3/8" PLUGS	Size	Fig. No.	Price
	MALE NPT		
	1/4	3710	
	3/8	3715	
	FEMALE NPT		
	1/4	3719	
	3/8	3720	
	HOSE SHANK		
	1/4	3724	
	3/8	3727	
	1/2	30871	

3/8" COUPLERS	Size	Fig. No.	Price
	MALE NPT		
	1/4	3748	
	3/8	3751	
	FEMALE NPT		
	1/4	3753	
	3/8	3757	
	HOSE SHANK		
	1/4	3761	
	3/8	3764	
	1/2	30882	

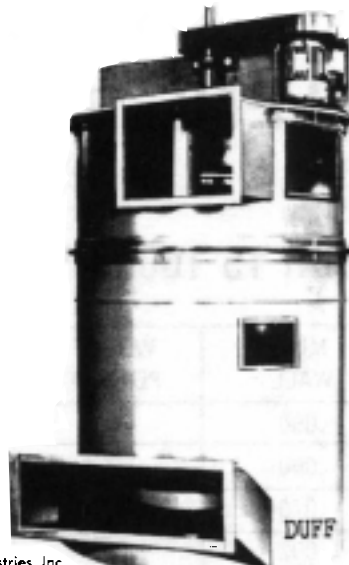
1/2" PLUGS	Size	Fig. No.	Price
	MALE NPT		
	3/8	30872	
	1/2	30873	
	FEMALE NPT		
	3/8	30875	
	1/2	30876	
	HOSE SHANK		
	3/8	24763	
	1/2	25243	
	3/4	30878	

1/2" COUPLERS	Size	Fig. No.	Price
	MALE NPT		
	3/8	30883	
	1/2	24762	
	FEMALE NPT		
	3/8	30885	
	1/2	30886	
	HOSE SHANK		
	3/8	30888	
	1/2	30889	
	3/4	30890	

FUME SCRUBBERS



HORIZONTAL TYPE



VERTICAL PACK TYPE



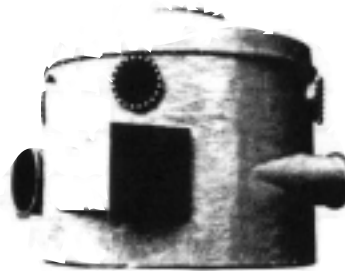
MIST ELMINATOR

The fume scrubbers shown here are four stage, wet type. They have maximum efficiency on water soluble contaminants, but are also effective on low soluble contaminants with the use of chemical neutralizers. Horizontal unit combines reasonable cost with excellent efficiency. Vertical pack tower type illustrated is a compact scrubber-blower combination, saving both space and installation expense. Mist eliminator in fume scrubber assures properly dried air. It has either vertically or horizontally mounted PVC eliminator blades which provide four 30° changes in direction and eliminate entrained water.

Courtesy Duall Industries, Inc.

**STANDARD
CORROSIVE
FUME HANDLING
EQUIPMENT**

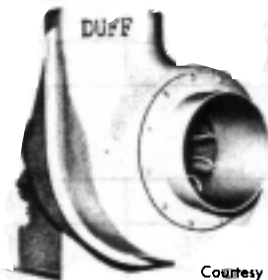
REINFORCED FUME SCRUBBER



Typical Type G fume scrubber is fabricated from PVC and overlaid with fiberglass reinforced plastic to provide additional structural strength for larger-sized units.

FANS

**UTILITY FAN
(Up to 2250 CFM)**



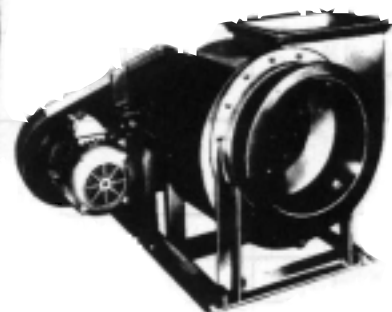
**TUBEAXIAL FAN
(Up to 25,000 CFM)**



**CENTRIFUGAL FAN
(294-3815 CFM)**



**CENTRIFUGAL FAN
688-55,400 CFM)**



Courtesy Industrial Plastic Fabricators, Inc.

Courtesy Duall Industries, Inc.