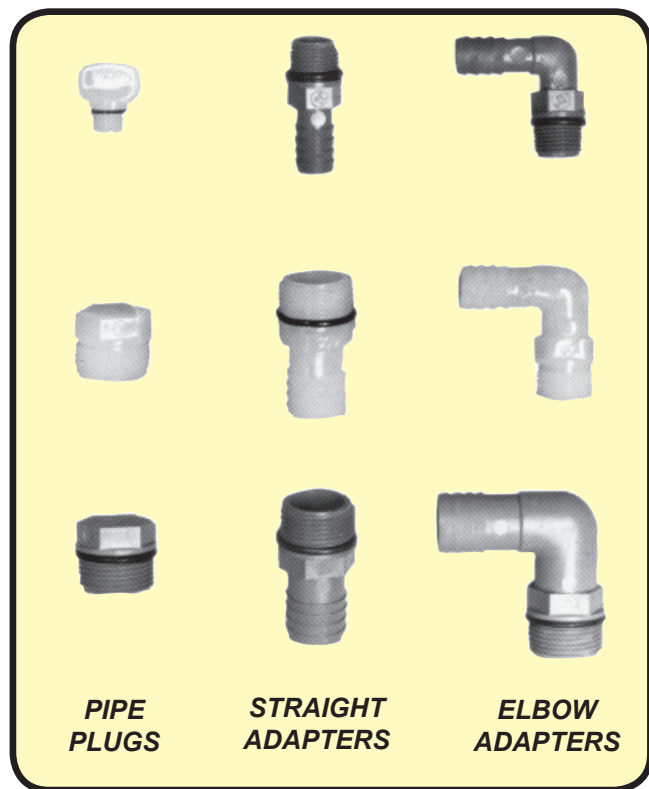




FOR TOTAL SOLUTION CONTAINMENT

PIPE / VALVES / FITTINGS / FLANGES
HOSE / CLAMPS / STRAINERS
TANK CONNECTIONS AND MORE . . .

Polypropylene, CPVC and PVDF (See a chemical resistance guide)

All fittings are designed to be used conventionally with tape or other types of thread lubricant, but to achieve total solution containment, fittings with "O"-rings are offered which enable the installer to seal the joint even if the fitting is slightly unscrewed as might be required to achieve the proper location of an elbow.

These "O"-rings also provide the necessary expansion to seal a joint when the fitting is cold and the plastic shrinks, as well as when the plastic expands. There is simply no better way to assure that a sealed joint has been established with disjoinable fittings than with the use of "O"-rings.

Make certain your pumping, agitation & filtration systems are properly piped. Select installation components from this bulletin. Always refer to operating instructions to ensure trouble-free and efficient performance.

Contact our sales application engineering dept. for recommendations and a complete selection of plastic pumps, filters, agitation and filtration systems.

ADAPTERS - HOSE I.D. x MNPT

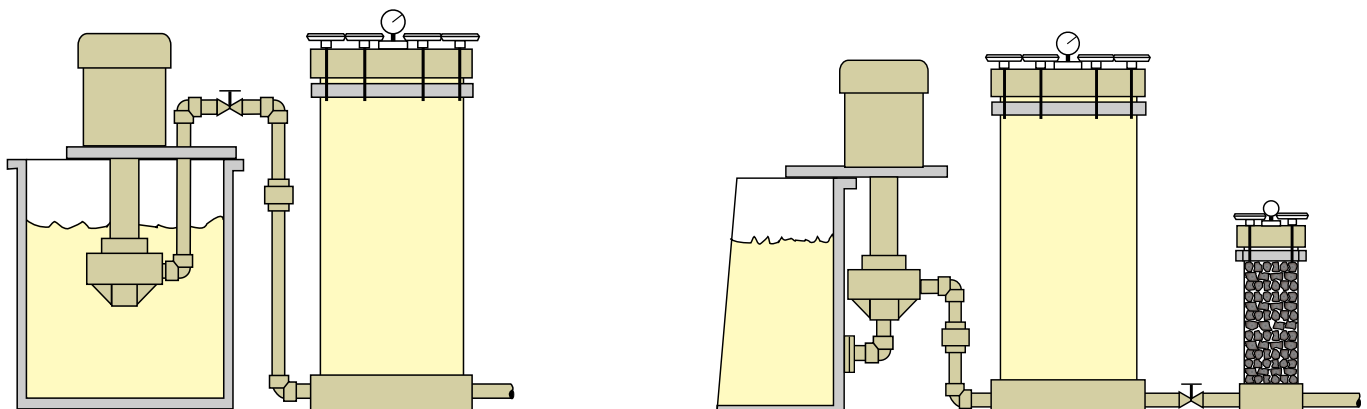
DESCRIPTION	MATERIAL (molded)	5/8" x 1/2"	5/8" x 3/4"	3/4" x 3/4"	3/4" x 1"	1" x 1"
		PRICE CODE NUMBERS				
 STRAIGHT ADAPTER	CPVC PVDF	33-0710 33-0710 K	33-0503 33-0503 K	33-0711 33-0711 K	33-1360 33-1360 K	33-0712 33-0712 K
 ELBOW ADAPTER	CPVC PVDF	33-1336 33-1336 K	33-0504 33-0504 K	33-1337 33-1337 K	33-1342 33-1342 K	33-1338 33-1338 K
 OPTIONAL "O"- RING	EPDM VITON	22-0569 22-0568	22-0570 22-0563	22-0570 22-0563	22-0442 22-0533	22-0442 22-0533

DESCRIPTION	MATERIAL (machined)	1 1/4" x 1 1/4"	1 1/2" x 1 1/2"	2" x 2"
		PRICE CODE NUMBERS		
 STRAIGHT	CPVC	33-1157	33-1158	33-1159
 STRAIGHT / W/"O"-RING	CPVC & EPDM	33-0713	33-0714	33-0759
 ELBOW	CPVC	33-1482	33-1483	33-1484
 ELBOW / W/"O"- RING	CPVC & EPDM	33-0788	33-0790	33-0758



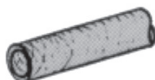
CPVC, POLYPROPYLENE & PVDF for total solution containment

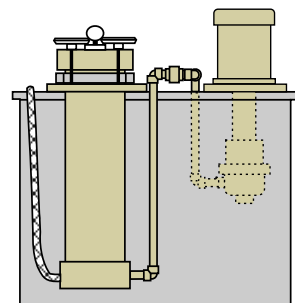
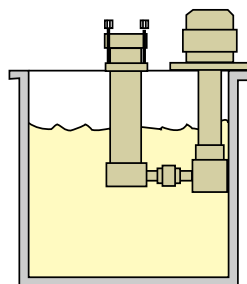
DESCRIPTION			PART NUMBERS for CPVC ¹						
			For polypropylene add -PP, for PVDF add -K						
			1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	3"
NIPPLE (NPT) Threaded both ends	 Close Short 3" Long 4" Long 5" Long 6" Long		33-0197	33-1005	33-1011	33-1017	33-1023	33-1029	33-1041
			33-0198	33-1006	33-1012	33-1018	33-1024	33-1030	33-1042
			33-1001	33-1007	33-1013	33-1019	33-1025	33-1031	—
			33-1002	33-1008	33-1014	33-1020	33-1026	33-1032	33-1043
			33-1003	33-1009	33-1015	33-1021	33-1027	33-1033	33-1044
			33-1004	33-1010	33-1016	33-1022	33-1028	33-1034	33-1045
BALL VALVE Double union w/Viton "O"-ring	 Threaded (NPT) Socket		33-0570	33-0571	33-0572	33-0573	33-0574	33-0575	33-0576
			33-0578	33-0579	33-0580	33-0581	33-0582	33-0583	33-0584
UNION w/Viton "O" ring	 Socket Threaded (NPT)		33-0196	33-0287	33-0288	33-0289	33-0290	33-0291	33-0292
			33-0293	33-0294	33-0295	33-0296	33-0297	33-0298	33-0299
TEE	 Socket Threaded (NPT)		33-0195	33-0950	33-0951	33-0952	33-0953	33-0954	33-0956
			33-0958	33-0959	33-0960	33-0961	33-0962	33-0963	33-0965
90° ELBOW	 Socket Threaded		33-0193	33-0984	33-0985	33-0986	33-0987	33-0988	33-0990
			33-0992	33-0993	33-0994	33-0995	33-0996	33-0997	33-0999
45° ELBOW	 Socket Threaded (NPT)		33-0194	33-0967	33-0968	33-0969	33-0970	33-0971	33-0973
			33-0975	33-0976	33-0977	33-0978	33-0979	33-0980	33-0982
COUPLING	 Socket Threaded (NPT)		33-0882	33-0883	33-0884	33-0885	33-0886	33-0887	33-0889
			33-0891	33-0892	33-0893	33-0894	33-0895	33-0896	33-0898
FLANGE	 Socket Threaded (NPT)		33-0829	33-0830	33-0831	33-0832	33-0833	33-0834	33-0836
			33-0839	33-0840	33-0841	33-0842	33-0843	33-0844	33-0846
FLANGE GASKET	 EPDM		22-0517	22-0518	22-0236	22-0237	22-0238	22-0239	22-0243
CAP	 Socket Threaded (NPT)		33-1140	33-1141	33-1142	33-1143	33-1144	33-1145	33-1147
			33-0873	33-0874	33-0875	33-0876	33-0877	33-0878	33-0880
PLUG	 Threaded (NPT) Threaded with EPDM "O" ring		33-0866	33-0211	33-0212	33-0867	33-0868	33-0869	33-0871
			33-0791	33-0755	33-0792	—	—	—	—
"O"-RING	 EPDM Viton		22-2209	22-0570	22-0605	—	—	—	—
			22-2209-V	22-0563	22-0604	—	—	—	—
REDUCING BUSHING	 Socket Threaded (NPT)		1/2" x 1/4"	3/4" x 1/2"	1" x 3/4"	1 1/4" x 1"	1 1/2" x 1 1/4"	2" x 1 1/2"	3" x 2"
			33-1110	33-1111	33-1112	33-1113	33-1114	33-1115	33-1118
			33-1130	33-1131	33-0184	33-0183	33-1137	33-1132	33-1862





Pipe, hose, clamps, strainers, tank connections & valves

DESCRIPTION		PRICE CODE NUMBERS							
		1/2"	5/8"	3/4"	1"	1-1/4"	1-1/2"	2"	3"
CPVC PIPE per ft. 	Schedule 40 Socket only	33-0233	—	33-0234	33-0235	33-0236	33-0237	33-0238	33-0228
	Schedule 80 Unthreaded	33-0216	—	33-0217	33-0218	33-0219	33-0220	33-0221	33-0223
HOSE per ft. (except as noted) 	Vinyl w/PVC	—	—	—	22-0392	22-0393	22-0394	22-0395	—
	Vinyl, clear, wire reinforced	22-0494	22-0484	22-0482	22-0483	22-0527	22-0528	22-0529	—
	Vinyl, clear (Discharge only)	22-0490	22-0491	22-0492	22-0493	—	—	—	—
	Vinyl, clear, nylon reinforced	22-0424	22-0480	22-0481	22-0432	22-0433	22-0434	22-0435	—
	Teflon® ribbed, 8 ft. length	—	—	22-0462	22-0463	—	—	—	—
	Vinyl, cross linked, PE lined	—	—	22-0548	22-0549	—	—	—	—
CLAMPS 	Stainless steel	22-0502	22-0502	22-0505	22-0505	22-0503	22-0503	22-0504	—
STRAINERS									
	PP w/hose adapter	—	99-0166	99-1160	—	—	—	—	—
	PE, NPT	—	—	33-6078	33-6058	—	99-0743 1	99-0744 1	99-0745
	PE, BSP	—	—	—	—	—	—	—	64-1339 01
	ECTFE (Halar®), NPT BSP	— —	— —	— —	— —	— —	99-1029 —	99-1030 —	99-1031 64-1339 91
BULKHEAD TANK CONNECTION 	PP	33-0690	—	33-0691	33-0692	33-0693	33-0694	33-0695	33-0696
BALL VALVE	PP, threaded w/EPDM "O"-ring	33-0560	—	33-0561	33-0609	—	—	—	—
FOOT VALVE	PVC, threaded with strainer	33-0541	—	33-0542	33-0543	33-0544	33-0545	33-0546	33-0547
VERTICAL CHECK VALVE	PVC, threaded	33-0593	—	33-0594	33-0595	33-0596	33-0597	33-0598	33-0599
VENT VALVE		33-8108 PP 33-0051		THUMBSCREW / PLUG, 1/4" w/"O" ring 				w/EPDM 88-1282A 88-2833	w/Viton 88-1282B 88-2822





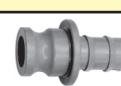
POLYPROPYLENE QUICK-CONNECT COUPLINGS

FOR: PLATING, ANODIZING, FERTILIZER, CHEMICALS, PETROLEUM

Working Pressures: 100 PSI at 0°F, 125 PSI at 70°F, 70 PSI at 150°F

Vacuum - 28 inches Mercury

- MOLDED OF GLASS REINFORCED POLYPROPYLENE
 - NYLON LEVERS
 - STAINLESS STEEL PINS AND RINGS
 - INTERCHANGEABLE WITH OTHER BRANDS
 - RESISTANT TO MANY CHEMICALS, RUST-PROOF
 - MANUFACTURED TO MILITARY SPECIFICATIONS
 - RETAINED GASKETS IN COUPLERS WILL NOT FALL OUT WHEN CONNECTIONS ARE OPEN
 - SIZE IDENTIFICATION MOLDED INTO EACH PART
 - NPT OR BSP THREADS
- (Consult Application Engineering Dept. for BSP.)

FEMALE COUPLER w/EPDM GASKET								
DESCRIPTION		PRICE CODE NO.						
		1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	3"
DUST CAP		33-1586	33-1587	33-1588	—	33-1589	33-1590	33-1591
MALE THREADS		33-1334	33-1287	33-1352	—	33-1353	33-1497	33-1581
HOSE ADAPTER		33-1572	33-1573	33-1574	33-2275	33-1329	33-1506	33-1585
FEMALE THREADS		33-1454	33-1455	33-1285	—	33-1456	33-1498	33-1582
MALE ADAPTER								
HOSE ADAPTER		33-1564	33-1565	33-1566		33-1567	33-1568	33-1569
MALE THREADS		33-1335	33-1288	33-1286	—	33-1284	33-1499	33-1583
FEMALE THREADS		33-1466	33-1467	33-1468	33-2276	33-1469	33-1496	33-1580
DUST PLUG		33-1592	33-1593	33-1594 —	—	33-1595	33-1596	33-1597
REPLACEMENT GASKETS for quick-connect couplings								
EPDM		33-1475	33-1476	33-1477	—	33-1478	33-1500	33-1584
BUNA N		64-1481 71	64-1482 71	64-1483 71	—	64-1625 71	64-1626 71	64-1627 71
STREET ELBOWS								
POLYPROPYLENE								
NPT		—	—	—	—	64-0753 40	64-0752 40	64-0756 40
BSP		—	—	—	—	64-1366 40	64-1367 40	64-1368 40