

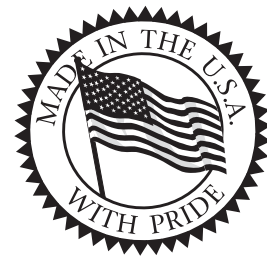


Discount Code(s):

019	Irrigation Manifolds	_____
080	PVC Schedule 80 Molded Fittings Thru 8"	_____
190	PN16 PVC Metric Fittings	_____
190	Class 10/12 PVC Metric Fittings	_____
191	Metric PVC Molded 280mm & Larger	_____
192	PN16 CPVC Metric Fittings	_____
195	PVC ASTM Schedule 40 Socket x BSP Adapter Fittings (White)	_____
196	PVC ASTM Schedule 40 Socket x BSP Adapter Fittings (Gray)	_____
197	PVC Transition Unions	_____
238	PVC Metric True Union Ball Valves	_____
239	CPVC Metric True Union Ball Valves	_____
228	PVC Metric True Union Ball Check Valves	_____
229	CPVC Metric True Union Ball Check Valves	_____
208	PVC Metric Gate Valves	_____
209	CPVC Metric Gate Valves	_____
274	PVC Metric Diaphragm Valves	_____
276	CPVC Metric Diaphragm Valves	_____
901	Miscellaneous Components	_____

Item prices may have changed from those shown in this sheet. See Spears® On-line Catalog for most current pricing, updated daily.

PVC & CPVC Metric Fittings, Unions & Valves



Quality Systems Certificate No. 293
Corporate Facilities, Sylmar, CA
Assessed to ISO 9001: 2008

Visit our web site:
www.spearsmfg.com

PRICE SCHEDULE INTL-1-0910
Effective September 26, 2010
Supersedes INTL-1-1009



PVC & CPVC Metric Fittings, Unions & Valves

LIMITED LIFETIME WARRANTY

Except as otherwise mandated by law or herein provided, Spears® Manufacturing Company ("Company") warrants Standard Catalog Products ("Products") which have been directly manufactured by them to be free from defects in material and workmanship for as long as the original intended end user of the Products ("End User") retains ownership and possession of the Products and complies with this Warranty ("Warranty Period"). Each other person or entity acquiring or employing the Products, including buyers, contractors and installers ("Buyer") and End Users ("Buyer/End User") agrees that this Warranty shall be effective only during the Warranty Period so long as the Products are used solely for the normal purposes for which they are intended and in conformance with industry established standards, engineering, installation, operating, and maintenance specifications, recommendations and instructions including explicit instructions by the Company; the Products are properly installed, operated and used, and have not been modified; and all the other terms of this Warranty are complied with. Any violation thereof shall void this Warranty and relieve Company from all obligations arising from this Warranty and the Products.

Upon receipt or discovery of any Products that appear questionable or defective each Buyer/End User shall promptly inspect and return any such Product to the Company at 15853 Olden Street, Sylmar, California 91342, accompanied by a letter stating the nature of any problems. If the Products are determined by Company to be defective in materials or workmanship directly provided by Company, Company, at its sole option, may either repair or replace the defective Products, or reimburse applicable Buyer/End User for the cost of such Products. The applicable Buyer/End User shall bear all applicable shipping costs. THIS SHALL BE BUYERS/END USERS' SOLE REMEDY. EACH BUYER/END USER AGREES THAT COMPANY WILL NOT BE RESPONSIBLE FOR ANY OTHER OBLIGATIONS RELATING TO THE PRODUCTS, INCLUDING ANY OTHER MATERIALS OR LABOR COSTS, LOSS OF USE OR ANY OTHER ITEM OR FOR ANY DELAYS IN COMPLYING WITH THIS WARRANTY BEYOND COMPANY'S REASONABLE CONTROL.

COMPANY SHALL NOT BE LIABLE FOR, DOES NOT ASSUME, AND EXPRESSLY DISCLAIMS, ANY LIABILITY, RESPONSIBILITY AND DAMAGES: DUE TO ANY BUYER/END USER'S FAILURE TO COMPLY WITH THIS WARRANTY, INCLUDING IMPROPER INSTALLATION, USE OR OPERATION; USE WITH PRODUCTS FROM OTHER MANUFACTURERS THAT DO NOT MEET ASTM OR OTHER APPLICABLE PRODUCT STANDARDS; IMPROPER CONTROL OF SYSTEM HYDRAULICS, IMPROPER WINTERIZATION PROCEDURES, IMPROPER VOLTAGE SUPPLY, CONTACT WITH INCOMPATIBLE MATERIALS OR CHEMICALS, EXCAVATION/DIGGING, EXCESSIVE WEIGHT, AND VANDALISM; DUE TO REASONABLE WEAR AND TEAR AND DUE TO ANY ACTS OF NATURE, INCLUDING LIGHTNING, EARTHQUAKES, GROUND MOVEMENT, FROST HEAVE, OR FLOODS.

COMPANY EXTENDS ONLY THIS WARRANTY AND EXPLICITLY DISCLAIMS ALL OTHER WARRANTIES, WHETHER IMPLIED OR OTHERWISE EXPRESSED, WHETHER ORAL, STATUTORY OR OTHERWISE, INCLUDING ANY IMPLIED WARRANTIES OR AFFIRMATIONS FOR SUITABILITY, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. NO AFFIRMATION BY COMPANY OR ANY OF ITS REPRESENTATIVES, BY WORDS, CONDUCT OR OTHERWISE, SHALL CONSTITUTE A WARRANTY. THIS WARRANTY MAY NOT BE TRANSFERRED, EXTENDED, ALTERED OR OTHERWISE MODIFIED IN ANY MANNER, EXCEPT BY WRITTEN AGREEMENT SIGNED BY COMPANY.

BY ITS ACCEPTANCE OF THE PRODUCTS, EACH BUYER/END USER EXPRESSLY WAIVES ALL OTHER LIABILITY OR OBLIGATION OF ANY KIND OR CHARACTER OF COMPANY, INCLUDING LIABILITY PREDICATED UPON CONTRACT, TORT, STRICT LIABILITY OR OTHER LEGAL OR EQUITABLE GROUNDS, AND ALL, IF ANY, DAMAGES AND LOSSES AS A RESULT THEREOF, INCLUDING ALL, IF ANY, COMPENSATORY, GENERAL, SPECIAL, CONSEQUENTIAL, INCIDENTAL, OR PUNITIVE DAMAGES. WITH RESPECT TO SUCH WAIVERS, EACH BUYER/END USER EXPLICITLY WAIVES CALIFORNIA CIVIL CODE §1542 WHICH STATES "A GENERAL RELEASE DOES NOT EXTEND TO CLAIMS WHICH THE CREDITOR DOES NOT KNOW OR SUSPECT TO EXIST IN HIS FAVOR AT THE TIME OF EXECUTING THIS RELEASE, WHICH IF KNOWN BY HIM MUST HAVE MATERIALLY ADVERSELY AFFECTED HIS SETTLEMENT WITH DEBTOR" AND ALL OTHER SIMILAR STATUTORY, COMMON AND CASE LAW RIGHTS, DEFENSES AND LIMITATIONS.

Having previously independently inspected the Products, or a sample, as fully as desired, or having the opportunity to and having not done so, upon acceptance of delivery of the Products, and except as otherwise herein explicitly provided, each Buyer/End User by acceptance or use of the Products accepts them in their "AS IS" and "WITH ALL FAULTS" condition without any other warranty, expressed, implied or otherwise, and accepts and assumes the entire risk and cost of all servicing, remediation and consequences thereof. This Warranty shall be governed by California law and any unenforceable provisions severed without affecting the remaining provisions. As used herein, "including" includes "without limitation."

PVC & CPVC Metric Fittings, Unions & Valves



SPEARS® QUALITY POLICY

It is the policy and objective of Spears® Manufacturing Company to produce a superior quality product suitable for its intended use, with regard to functionality, structural integrity, and conformance to established industry standards and practices. It is the commitment of this Company to do so in a manner which provides consistency of product quality, optimum availability, and superior customer service, while maintaining efficiency of operations and profitability necessary to perpetuate product improvement and customer satisfaction. Furthermore, it is recognized that the attainment of these objectives is the responsibility of all Company operations and personnel according to their respective functions.

RECOMMENDATIONS FOR INSTALLERS AND USERS

Plastic piping systems should be **ENGINEERED, INSTALLED, and OPERATED** in accordance with **ESTABLISHED DESIGN AND ENGINEERING STANDARDS AND PROCEDURES** for plastic piping systems. Suitability for the intended service application should be determined by the installer and/or user prior to installation of a plastic piping system. **PRIOR TO ASSEMBLY, all piping system components should be inspected for damage or irregularities. Mating components should be checked to assure that tolerances and engagements are compatible. Do not use any components that appear irregular or do not fit properly. Contact the appropriate manufacturer of the component product in question to determine usability. Consult all applicable codes and regulations for compliance prior to installation.**

SOLVENT WELD CONNECTIONS — Use a quality grade of primer and solvent cement formulated for the type of connection, with the **CORRECT SIZE APPLICATOR**. Read and follow all of the solvent cement **MANUFACTURERS' APPLICATION AND CURE TIME INSTRUCTIONS THOROUGHLY**.

BEFORE APPLYING PRIMER AND CEMENT, appropriate safety precautions should be taken. Primer and Cement should be stored in the shade between 27°C (40°F) and 43°C (110°F). Eliminate all ignition sources. Avoid breathing of vapors. Use only with adequate ventilation; explosion-proof general mechanical ventilation or local exhaust is recommended to maintain vapor concentrations below recommended exposure limits. In confined or partially enclosed areas, a NIOSH-approved organic vapor cartridge respirator with full face-piece is recommended. Containers should be kept tightly closed when not in use, and covered as much as possible when in use. Avoid frequent contact with skin; wearing PVA coated protective gloves and impervious apron are recommended. Avoid any contact with eyes; splash-proof chemical goggles are recommended.

THREADED CONNECTIONS — Use a quality grade thread sealant. **WARNING: SOME PIPE JOINT COMPOUNDS OR TEFLON® PASTES MAY CONTAIN SUBSTANCES THAT COULD CAUSE STRESS CRACKING TO PLASTIC.** Spears® Manufacturing Company recommends the use of Spears® **BLUE 75™ Thread Sealant** which has been tested for compatibility with Spears® products. Please follow the sealant manufacturers' application/installation instructions. Choice of an appropriate thread sealant other than those listed above is at the discretion of the installer. 1 to 2 turns beyond **FINGER TIGHT** is generally all that is required to make a sound plastic threaded connection. Unnecessary **OVER TIGHTENING** will cause **DAMAGE TO BOTH PIPE AND FITTING**.

IMPORTANT

WATER HAMMER — Spears® Manufacturing Company, Inc., recommends that all PVC and CPVC plastic piping systems be designed and constructed to **AVOID EXCESSIVE WATER HAMMER**. Water hammer can cause damage, and failure to pipe, valves, and fittings within the piping system.

PLEASE NOTE — When temperatures rise above 23°C (73°F), the tensile strength of thermoplastics decreases, thereby derating the pipe or fitting Maximum Internal Pressure. When temperatures fall below 23°C (73°F), the tensile strength of thermoplastics increases, however, the impact strength decreases. Maximum operating temperatures for PVC piping systems should not exceed 60°C (140°F). Maximum operating temperatures for CPVC piping systems should not exceed 93°C (200°F).

CAUTION — Spears® Manufacturing Company **DOES NOT RECOMMEND** the use of thermoplastic piping products for systems to transport or store compressed air or gases, or the testing of thermoplastic piping systems with compressed air or gases in above and below ground locations. The use of Spears® products in compressed air or gas systems automatically voids Spears® warranty for such products, and their use against our recommendation is entirely the responsibility and liability of the installer. Spears® Manufacturing Company will not accept responsibility for damage or impairment of its products, or other consequential or incidental damages caused by misapplication, incorrect assembly, and/or exposure to harmful substances or conditions.

NOT FOR USE WITH COMPRESSED AIR OR GASES

WARNING: DO NOT USE COMPRESSED AIR OR GAS TO TEST ANY PVC OR CPVC THERMOPLASTIC PIPING PRODUCT OR SYSTEM, AND DO NOT USE DEVICES PROPELLED BY COMPRESSED AIR OR GAS TO CLEAR SYSTEMS. THESE PRACTICES MAY RESULT IN EXPLOSIVE FRAGMENTATION OF SYSTEM PIPING AND COMPONENTS CAUSING SERIOUS OR FATAL BODILY INJURY.



PVC & CPVC Metric Fittings, Unions & Valves

STANDARDS & SPECIFICATIONS

ASTM D 2464	Threaded Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80.
ASTM D 2467	Socket-type Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80.
ASTM D 1784	Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds.
ASTM F 1498	Taper Pipe Threads 60° for Thermoplastic Pipe and Fittings.
ISO 7/1	Pipe Threads where pressure tight joints are made on the threads— Part 1: Designation, Dimensions and Tolerances.
ISO 727	Fittings of Unplasticized Polyvinyl Chloride (PVC-U), Chlorinated Polyvinyl Chloride (PVC-C) with Plain Sockets for pipe under pressure — Dimensions of Sockets — Metric Series.



Certified by NSF International

Fabricated Fittings Spears® Fabricated Fittings conform to Spears® Manufacturing Company Special Engineering Specifications.
 150 Series Spears® 150 Series conforms to Spears® Manufacturing Company Special Engineering Specifications.

KEY CODE

For your convenience, a DISCOUNT CODE is shown for each part in this price schedule. Please refer to Spears® Discount Schedule for the corresponding standard discount. Discounts are NOT the same for all products. Additional codes are as follows:

Packaging Codes

MC	=	Master Carton (standard master quantity)
SP	=	Standard Pack (standard box quantity)

Descriptive Codes

ANSI	=	American National Standards Institute
BAR	=	14.5 psi
BSP	=	British Standard Pipe
Class 10	=	Pressure Rating 10 BAR at 23°C (145 psi at 73°F)
Class 12	=	Pressure Rating 12 BAR at 23°C (174 psi at 73°F)
d	=	Pipe O.D. in millimeters
DN	=	Diameter Nominal for Metric Fittings
Din	=	Deutsche Industrial Norm (German Standards)
IPS	=	Iron Pipe Size (ASTM)
FIPT	=	Female Iron Pipe Thread
JIS	=	Japanese Industrial Standard
MIPT	=	Male Iron Pipe Thread
NPR	=	Not Pressure Rated
NPT	=	National Pipe Thread (ANSI)
PN7	=	Pressure Rating 7 BAR at 23°C (100 psi at 73°F)
PN16	=	Pressure Rating 16 BAR at 23°C (232 psi at 73°F)
Socket	=	Solvent Weld Socket
Spigot	=	Spigot End (IPS)
SRBSP	=	Special Reinforced BSP Thread
FBSP	=	Female BSP Thread
MBSP	=	Male BSP Thread
mm	=	millimeter

ADDITIONAL PUBLICATIONS AVAILABLE

Technical Information

40-4	PVC Schedule 40 Fittings Weights & Dimensions
80-4	PVC Schedule 80 Fittings Weights & Dimensions
FL-4	Thermoplastic Flanges Technical Weights & Dimensions
V-4	Thermoplastic Valves & Engineering Specifications

Individual Product Line Data Sheets

40-2	PVC Schedule 40 Fittings
80-2	PVC Schedule 80 Fittings
BR-2	PVC & CPVC Transition Fittings
SR-2	PVC & CPVC Special Reinforced Female Adapters
TU-2	PVC & CPVC True Union Ball Valves
CK-2	PVC & CPVC True Union Ball Check Valves
DV-2	PVC & CPVC Diaphragm Valves
GV-2	PVC & CPVC Gate Valves

Prices subject to change without notice. Possession of this price schedule shall not be construed as an offer to sell the products listed. Product photographs and drawings are representative and may not fully reflect product configurations.



TECHNICAL INFORMATION

MATERIALS

THERMOPLASTICS

UPVC — All PVC referenced in this publication is unplasticized PVC, commonly referred to as UPVC.

PVC — Poly Vinyl Chloride

PVC is one of the most specified thermoplastics for piping system components, including valves, fittings, flanges and many specialty products. PVC has excellent chemical and corrosion resistance to a broad range of fluids including water, deionized water, most mineral acids, bases, salts and paraffinic hydrocarbon solutions. PVC is not recommended for use with chlorinated or aromatic hydrocarbons, esters or polar solvents such as ketones. Spears® PVC materials conform to ASTM Cell Classification 12454-B (formerly designated as Type I, Grade 1). The maximum recommended service temperature of PVC products is 60°C (140°F).

CPVC — Chlorinated Poly Vinyl Chloride

Chlorinated PVC is used for higher temperature applications than PVC, especially for handling hot corrosive liquids. With similar chemical and corrosion resistance to PVC, increased chlorine content gives CPVC superior thermal resistance. CPVC is not recommended for use with chlorinated or aromatic hydrocarbons, esters, or polar solvents such as ketones. Spears® CPVC materials conform to ASTM Cell Classification 23447-B (formerly designated as Type IV, Grade 1). The maximum recommended service temperature of CPVC products is 93°C (200°F).

ELASTOMERS

EPR (EPDM) Ethylene propylene rubber

Used in O-ring seals, EPR is recommended for water, chlorinated water, dilute acids and alkalines, alcohols, and has excellent resistance to ozone. EPR is not recommended for petroleum oils, di-ester lubricants, strong acids, or strong alkalines. The maximum recommended service temperature of EPR is 149°C (300°F).

FPM (Viton®) — Fluorocarbon elastomer

Viton® is a registered trademark of DuPont Dow Elastomers. Used in O-ring seals, FPM exhibits a very broad range of chemical resistance, including petroleum oils, di-ester based lubricants, silicate fluids and greases, halogenated hydrocarbons and mineral acids. FPM is not recommended for ketones, amines, anhydrous ammonia, hot hydrofluoric or chlorosulfonic acids or automotive brake fluids. The maximum recommended service temperature of FPM is 204°C (400°F).

NITRILE (Buna-N) — Nitrile elastomer

Used in O-ring seals, nitrile elastomers are recommended for petroleum oils and fluids, silicone oils and greases, Di-ester based lubricants, ethylene glycol based fluids and cold water. Nitrile is not recommended for phosphate ester hydraulic fluids, halogenated hydrocarbons, strong acids, ketone, ozone or automotive brake fluids. The maximum recommended service temperature of nitrile is 135°C (275°F).

IMPORTANT

SPECIFICATION STANDARDS ORIGIN

Not all metric fitting sizes are the same. Today's global markets have varying standards, norms and interpretations of metric sizing. Identification of the standards origin for which fittings are being specified is essential in assuring that the proper fitting is obtained for each application.

METRIC SIZE DIAMETERS: ACTUAL (O.D.) vs. NOMINAL (I.D.)

Pipe and fitting sizes are specified according to a diameter. It is important to know if a specification of size is an actual O.D. (**d**), or a nominal diameter (**DN**) which is based on pipe I.D.

Where applicable, Spears® metric socket fittings in this price schedule have size columns to indicate both actual "**d**" and nominal "**DN**". It is always best to identify the actual pipe O.D. being used in order to select the proper fitting.

THREADS

Spears® metric thread fittings use BSP (British Standard Pipe) threads designated in inch-sizes, which also conform to ISO 7/1 metric threads. ASTM Iron Pipe Size (IPS) threads use NPT (National Pipe Thread) threads which are also designated as inch size, conforming to ASTM F 1498. BSP threads are not compatible with NPT threads.



PVC & CPVC Metric Fittings, Unions & Valves

SPEARS® METRIC FITTINGS

PN16 PVC AND CPVC METRIC FITTINGS (PG 190/192)

Injection Molded.

Size Range:	20mm through 63mm socket, actual "d" 1/2" through 2" threaded
Sockets:	ISO 727
Threads - BSP:	ISO 7/1
Laying Lengths:	ISO 264
Pressure Rating:	PN16 = 16 BAR at 23°C (232 psi at 73°F)

PN10 (CLASS 10/12) PVC METRIC SOCKET FITTINGS (PG 190)

Injection Molded.

Size Range:	160mm and 225mm socket, actual "d" 73°F)
Sockets:	ISO 727 diameters (ASTM D 2467 socket length)
Pressure Rating:	160mm: PN12 = 12 BAR at 23°C (174 psi at 73°F) 225mm: PN10 = 10 BAR at 23°C (145 psi at 73°F)

PVC ASTM SCHEDULE 40 SOCKET X BSP ADAPTER FITTINGS (WHITE & GRAY) (PG 195/6)

Injection molded.

Size Range:	3/4" through 3" socket x threaded, nominal
Sockets:	Iron Pipe Size (IPS) to ASTM D 2466
Threads - BSP:	ISO 7/1
Pressure Rating:	Designed for use with corresponding size and pressure of ASTM D 1785 Schedule 40 pipe with 50% derating of threaded system. (see "ASTM PIPE PRESSURE RATINGS" on page 7).

PVC & CPVC Metric Fittings, Unions & Valves



PVC TRANSITION UNIONS (PG 197)

Injection molded; specially designed for transitions between ASTM IPS (Iron Pipe Size) systems and either ISO (International Standards Organization) metric, or JIS (Japanese Industrial Standards) metric systems.

Size Range:	ASTM IPS (inch): 1/2" through 4", nominal — connect to — ISO Metric (mm): 20mm through 110mm socket, actual "d" 1/2" through 4" BSP threaded — or to — JIS Metric (mm): 16mm through 100mm socket, nominal "DN"
Sockets:	ASTM IPS (inch): ASTM D 2467 ISO Metric (mm) ISO 727 diameters (ASTM D 2467 socket length) JIS Metric (mm): JIS K6741 diameters (ASTM D 2467 socket length)
Threads:	NPT: ASTM F 1498 BSP: ISO 7/1
Pressure Rating:	16.2 BAR at 23°C (235 psi at 73°F)

PVC & CPVC METRIC VALVES

TRUE UNION BALL VALVES & BALL CHECK VALVES (PG 238/239 & 228/229)

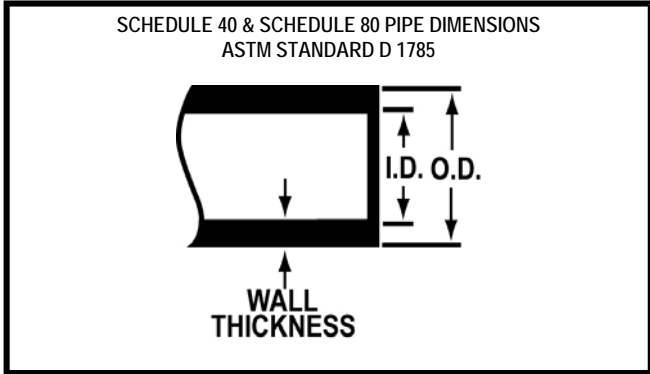
Size Range:	20mm through 110mm socket, actual "d" 1/2" through 2" BSP threaded
Sockets:	ISO 727 diameters (ASTM D 2467 socket length)
Threads - BSP:	ISO 7/1
Pressure Rating:	20mm - 62mm 16.2 BAR at 23°C (235 psi at 73°F) 75mm - 110mm 10.3 BAR at 23°C (150 psi at 73°F)

GATE VALVES (PG 208/209)

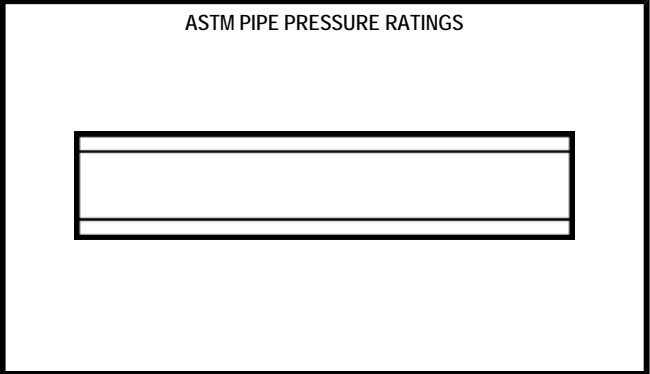
Size Range:	20mm through 63mm socket, actual "d" 1/2" through 2" BSP threaded
Sockets:	ISO 727 diameters (ASTM 2467 socket length)
Threads - BSP:	ISO 7/1
Pressure Rating:	13.8 BAR at 23°C (200 psi at 73°F)



PVC & CPVC Metric Fittings, Unions & Valves



Nominal Pipe Size (inch)	Mean Outside Diameter (inch)	O.D. Tolerance (inch)	Minimum Wall Thickness (inch)	
			Schedule 40	Schedule 80
1/2	0.840	± 0.004	0.109	0.147
3/4	1.050	± 0.004	0.113	0.154
1	1.315	± 0.005	0.133	0.179
1-1/4	1.660	± 0.005	0.140	0.191
1-1/2	1.900	± 0.006	0.145	0.200
2	2.375	± 0.006	0.154	0.218
2-1/2	2.875	± 0.007	0.203	0.276
3	3.500	± 0.008	0.216	0.300
4	4.500	± 0.009	0.237	0.337
6	6.625	± 0.011	0.280	0.420
8	8.625	± 0.015	0.322	0.500
10	10.750	± 0.015	0.365	0.593
12	12.750	± 0.015	0.406	0.687

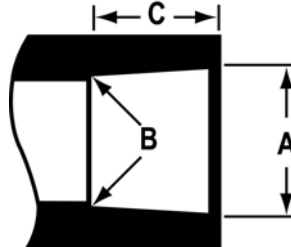


Inch	mm O.D.	Schedule 40		Schedule 80	
		psi	BAR	psi	BAR
1/2	21.34	600	41.3	850	58.6
3/4	26.67	480	33.1	690	47.5
1	33.40	450	31.0	630	43.4
1-1/4	42.16	370	25.5	520	35.8
1-1/2	48.26	330	22.7	470	32.4
2	60.32	280	19.3	400	27.5
2-1/2	73.02	300	20.6	420	28.9
3	88.90	260	17.9	370	25.5
4	114.30	220	15.1	320	22.0
6	168.28	180	12.4	280	19.3
8	219.08	160	11.0	250	17.2
10	273.05	140	9.7	230	15.8
12	323.85	130	8.9	230	15.8

PVC & CPVC Metric Fittings, Unions & Valves

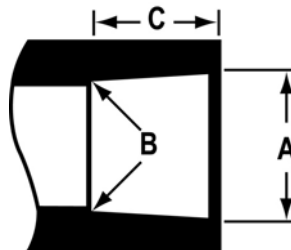


SCHEDULE 40 & SCHEDULE 80 BASIC SOCKET DIMENSIONS
ASTM STANDARDS D 2466, D 2467 & F 439



Nominal Size (inch)	Diameter			Socket Length Minimum C
	Entrance A	Bottom B	Tolerance (inch)	
1/2	0.848	0.836	± 0.004	0.688
3/4	1.058	1.046	± 0.004	0.719
1	1.325	1.310	± 0.005	0.785
1-1/4	1.670	1.655	± 0.005	0.938
1-1/2	1.912	1.894	± 0.006	1.094
2	2.387	2.369	± 0.006	1.156
2-1/2	2.889	2.868	± 0.007	1.750
3	3.516	3.492	± 0.008	1.875
4	4.518	4.491	± 0.009	2.000
6	6.647	6.614	± 0.011	3.000
8	8.655	8.610	± 0.015	4.000
10	10.780	10.735	± 0.015	5.000
12	12.780	12.735	± 0.015	6.000

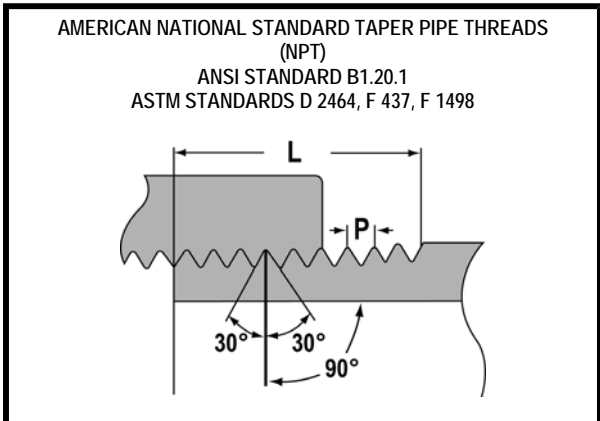
PVC METRIC FABRICATED FITTINGS BASIC SOCKET DIMENSIONS



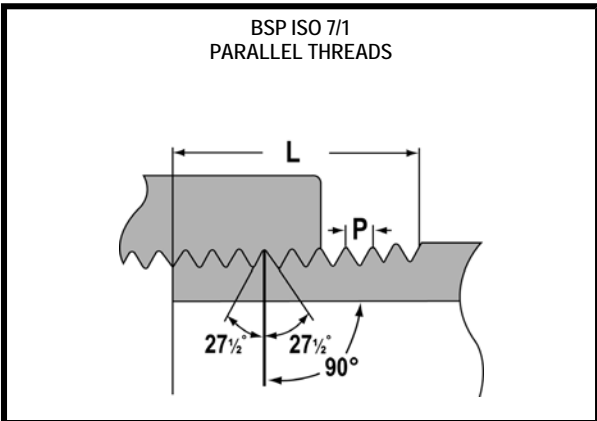
Size	Socket Entrance A		Tolerance ±		Socket Bottom B		Tolerance ±		C Socket Depth (Minimum)	
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
110mm	4.346	110.39	0.015	0.38	4.316	109.63	0.015	0.38	2.500	63.50
125mm	4.934	125.32	0.016	0.41	4.930	125.22	0.016	0.41	2.750	69.85
160mm	6.319	160.50	0.020	0.51	6.270	159.26	0.020	0.51	3.500	88.90
200mm	7.900	200.66	0.026	0.66	7.848	199.34	0.026	0.66	4.250	107.95
225mm	8.870	225.30	0.029	0.74	8.829	224.26	0.029	0.74	4.750	120.65
250mm	9.875	250.83	0.032	0.81	9.811	249.20	0.032	0.81	5.250	133.35
280mm	11.059	280.90	0.035	0.89	10.992	279.20	0.035	0.89	5.750	146.05
315mm	12.441	316.00	0.039	0.99	12.363	314.02	0.039	0.99	6.500	165.10



PVC & CPVC Metric Fittings, Unions & Valves



Nominal Size (inch)	Threads per Inch	Effective Thread Length L inches	Pitch of Thread P inches
1/2	14	0.5337	0.07143
3/4	14	0.5457	0.07143
1	11-1/2	0.6828	0.08696
1-1/4	11-1/2	0.7068	0.08696
1-1/2	11-1/2	0.7235	0.08696
2	11-1/2	0.7565	0.08696
2-1/2	8	1.1375	0.12500
3	8	1.2000	0.12500
4	8	1.3000	0.12500



Nominal Size (inch)	Threads per Inch	Effective Thread Length L mm	Pitch of Thread P mm
1/2	14	13.152	1.8143
3/4	14	14.514	1.8143
1	11	16.714	2.3091
1-1/4	11	19.050	2.3091
1-1/2	11	19.050	2.3091
2	11	23.378	2.3091
2-1/2	11	26.698	2.3091
3	11	29.873	2.3091
4	11	35.791	2.3091

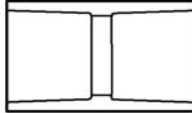
STANDARDS COMPARISON										
JIS K6741 mm		DIN 8062 mm		ASTM D 1785			NPT — ANSI B1.20.1 Tapered Thread		BSP — ISO 7/1 Parallel Thread	
Nominal	Actual O.D.	Nominal	Actual O.D.	Nominal inches	Actual O.D.		Designation	Threads per inch	Designation	Threads per 25.4mm
				inches	inches	mm				
16	22	15	20	1/2	.840	21.34	1/2	14	1/2	14
20	26	20	25	3/4	1.050	26.67	3/4	14	3/4	14
25	32	25	32	1	1.315	33.40	1	11-1/2	1	11
30	38	32	40	1-1/4	1.660	42.16	1-1/4	11-1/2	1-1/4	11
40	48	40	50	1-1/2	1.900	48.26	1-1/2	11-1/2	1-1/2	11
50	60	50	63	2	2.375	60.32	2	11-1/2	2	11
75	89	80	90	3	3.500	88.90	3	8	3	11
100	114	100	110	4	4.500	114.30	4	8	4	11

PVC & CPVC Metric Fittings, Unions & Valves



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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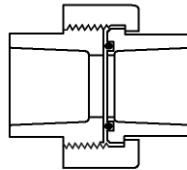
PVC TRANSITION COUPLING JIS Socket (mm) x ASTM Socket (in)



PN 16

8229-016	16 DN x 1/2	25	150	197	5.68
8229-020	20 DN x 3/4	25	150	197	7.69
8229-025	25 DN x 1	20	160	197	7.90
8229-030	30 DN x 1-1/4	20	0	197	12.04
8229-040	40 DN x 1-1/2	10	0	197	12.98
8229-050	50 DN x 2	10	0	197	13.94

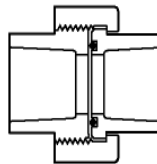
PVC UNION VITON® Socket



PN 16

657-020	20 d	10	60	190	11.65
657-025	25 d	10	40	190	14.80
657-032	32 d	10	40	190	16.88
657-040	40 d	5	20	190	33.54
657-050	50 d	5	0	190	37.99
657-063	63 d	5	0	190	51.50

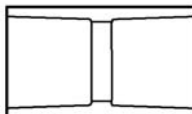
PVC UNION EPDM Socket



PN 16

697-020	20 d	10	60	190	11.48
697-025	25 d	10	40	190	14.61
697-032	32 d	10	40	190	16.72
697-040	40 d	5	20	190	33.15
697-050	50 d	5	0	190	37.51
697-063	63 d	5	0	190	50.89

CPVC TRANSITION COUPLING JIS Socket (mm) x ASTM Socket (in)



PN 16

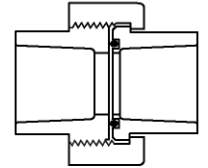
8229-016C	16 DN x 1/2	25	150	197	6.06
8229-020C	20 DN x 3/4	25	150	197	8.47
8229-025C	25 DN x 1	20	160	197	11.41
8229-030C	30 DN x 1-1/4	20	0	197	17.09
8229-040C	40 DN x 1-1/2	10	0	197	21.51

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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CPVC TRANSITION COUPLING (continued) JIS Socket (mm) x ASTM Socket (in)

8229-050C	50 DN x 2	10	0	197	25.00
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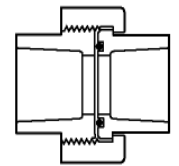
CPVC UNION VITON® Socket



PN 16

657-020C	20 d	10	60	192	26.01
657-025C	25 d	10	40	192	27.17
657-032C	32 d	10	40	192	32.61
657-040C	40 d	5	20	192	65.99
657-050C	50 d	5	0	192	67.19
657-063C	63 d	5	0	192	111.38

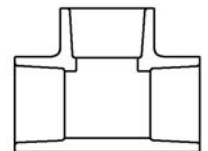
CPVC UNION EPDM Socket



PN 16

697-020C	20 d	10	60	192	25.93
697-025C	25 d	10	40	192	26.85
697-032C	32 d	10	40	192	32.17
697-040C	40 d	5	20	192	65.14
697-050C	50 d	5	0	192	66.38
697-063C	63 d	5	0	192	110.01

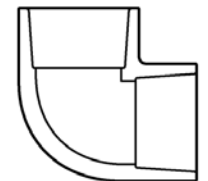
PVC TEE Socket



PN 10

6201-060	160 d	4	0	190	214.38
6201-080	225 d	2	0	190	497.20
6201-160040	160 d x 4	2	0	190	214.38
601-280	280 d	1	0	191	1642.65

PVC 90° ELL Socket



PN 10

6206-060	160 d	4	0	190	127.48
6206-080	225 d	2	0	190	351.37



PVC & CPVC Metric Fittings, Unions & Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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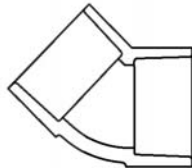
PVC 90° ELL (continued)

Socket

606-280	280 d	1	0	191	1572.50
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PVC 45° ELL

Socket

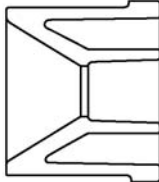


PN 10

6217-060	160 d	5	0	190	153.20
6217-080	225 d	2	0	190	332.15
617-280	280 d	2	0	191	875.26

PVC REDUCER BUSHING

Spigot x Socket

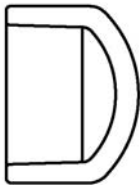


PN 10

637-225160	225 x 160 d	3	0	190	206.05
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PVC CAP

Socket

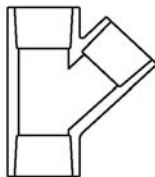


PN 10

6247-060	160 d	4	0	190	248.60
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CPVC WYE

Socket



PN 10

6275-160110C	160 d x 110 d	5	0	192	603.56
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Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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PVC FLANGE* Van Stone Style ASTM Socket x Multi-bolt Pattern Ring



150 psi

M854-020	2	10	0	080	28.63
M854-060	6	5	0	080	97.24
M854-080	8	2	0	080	158.35

* Hubs fit 2", 6" and 8" ASTM IPS pipe. Rings are manufactured to accept bolt patterns in size 2", 6" and 8" in ANSI Class 150, B.S. 4504 NP10 B.S. 4504 NP16 (except 8"), B.S. 10 Table D and B.S. 10 Table E. Consult Spears® Manufacturing Company Technical Services for additional information. Not for use with wafer valves.

PVC FLANGE* Van Stone Style Spigot x Multi-bolt Pattern Ring



150 psi

M856-020	2	10	0	080	28.85
M856-060	6	4	0	080	98.04
M856-080	8	2	0	080	159.54

* Spigots fit 2", 6" and 8" ASTM IPS fitting socket. Rings are manufactured to accept bolt patterns in size 2", 6" and 8" in ANSI Class 150, B.S. 4504 NP10 B.S. 4504 NP16 (except 8"), B.S. 10 Table D and B.S. 10 Table E. Consult Spears® Manufacturing Company Technical Services for additional information. Not for use with wafer valves.

PVC FLANGE* Van Stone Style ASTM Socket x Table D&E Drilling



150 psi

854-030DE	3"/80 nom.	10	0	080	48.87
854-040DE	4"/110 nom.	5	0	080	61.82

* Hubs fit 3" or 4" ASTM IPS Pipe. Rings are manufactured to BS 10 Table D & Table E bolt patterns.

PVC & CPVC Metric Fittings, Unions & Valves



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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PVC FLANGE* Van Stone Style ASTM Spigot x Table D&E Drilling



150 psi

856-030DE	3"/80 nom.	10	0	080	49.26
856-040DE	4"/110 nom.	10	0	080	62.33

* Spigots fit 3" or 4" ASTM IPS fitting sockets. Rings are manufactured to BS 10 Table D & Table E bolt patterns.

PVC FLANGE* Van Stone Style ASTM Socket x DIN PN 10/16 Drilling



150 psi

854-030DIN	3"/80 nom.	10	0	080	48.87
854-040DIN	4"/110 nom.	5	0	080	61.82

* Hubs fit 3" or 4" ASTM IPS Pipe. Rings are manufactured to DIN 8063-4 PN 10 and PN 16 bolt patterns.

PVC FLANGE* Van Stone Style ASTM Spigot x DIN PN 10/16 Drilling



150 psi

856-030DIN	3"/80 nom.	10	0	080	49.26
856-040DIN	4"/110 nom.	5	0	080	62.33

* Spigots fit 3" or 4" ASTM IPS fitting sockets. Rings are manufactured to DIN 8063-4 PN 10 and PN 16 bolt patterns.

PVC FLANGE* Van Stone Style Metric Socket x Multi Pattern Ring



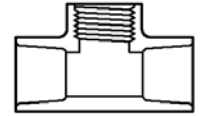
150 psi

6254-160	160 d	5	0	190	97.24
6254-200	200 d	2	0	190	158.35
6254-225	225 d	2	0	190	158.35
6254-280	280 d	2	0	191	205.00

* Hubs are manufactured to fit 160mm - 225mm and 280 mm O.D. Pipe. Rings are manufactured to accept bolt patterns for ANSI Class 150, B.S. 4504 NP10, B.S. 4504 NP16 (except 225mm), B.S. 10 Table D (except 280mm) and B.S. 10 Table E. Consult Spears® Manufacturing Company Technical Services for additional information. Not for use with wafer valves.

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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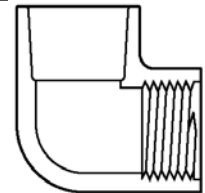
PVC WHITE TEE ASTM Socket x FBSP



SCH 40

302-007	3/4	50	0	195	1.56
302-010	1	50	0	195	2.89
302-131	1 X 3/4	50	0	195	2.89
302-211	1-1/2X1	25	0	195	5.99
302-249	2X1	10	0	195	7.54

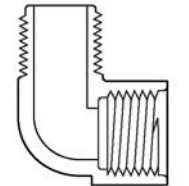
PVC WHITE 90° ELL ASTM Socket x FBSP



SCH 40

307-007	3/4	50	0	195	.87
307-010	1	50	0	195	1.63
307-131	1 X 3/4	50	0	195	2.51
307-211	1-1/2X1	25	0	195	6.07

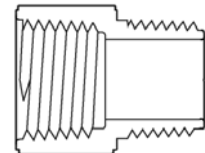
HDPE BLACK 90° STREET ELL MBSP X FBSP



NPR

M312-010	1	50	0	195	3.51
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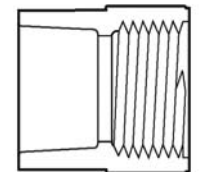
PVC WHITE RISER EXTENSION MBSP X FBSP



SCH 40

334-007	3/4	50	400	195	1.88
334-010	1	50	0	195	2.35

PVC WHITE FEMALE ADAPTER ASTM Socket x FBSP



SCH 40

335-010	1	50	0	195	1.01
335-012	1-1/4	25	0	195	1.56
335-015	1-1/2	25	0	195	1.79



PVC & CPVC Metric Fittings, Unions & Valves

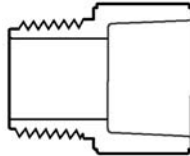
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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PVC WHITE FEMALE ADAPTER (continued)

ASTM Socket x FBSP

335-020	2	10	0	195	2.40
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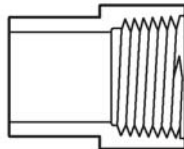
PVC WHITE MALE ADAPTER MBSP x ASTM Socket



SCH 40

336-005	1/2	50	300	195	.55
336-007	3/4	50	400	195	.61
336-010	1	50	300	195	1.10
336-012	1-1/4	25	200	195	1.34
336-015	1-1/2	25	0	195	1.79
336-020	2	25	0	195	2.35
336-030	3	10	0	195	10.14
336-131	1X3/4	50	400	195	3.36

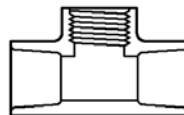
PVC WHITE FEMALE ADAPTER ASTM Spigot x FBSP



SCH 40

378-010	1	50	0	195	1.44
378-015	1-1/2	20	0	195	2.49
378-020	2	20	0	195	3.66

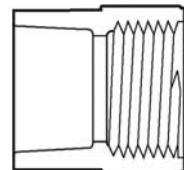
PVC GRAY TEE Socket



SCH 40

302-010G	1	50	0	196	3.23
302-012G	1-1/4	25	0	196	5.13
302-211G	1-1/2X1	25	0	196	6.64
302-249G	2X1	10	0	196	8.38

PVC GRAY FEMALE ADAPTER ASTM Socket x FBSP



SCH 40

335-010G	1	50	0	196	1.13
335-012G	1-1/4	25	0	196	1.72
335-015G	1-1/2	25	0	196	2.01

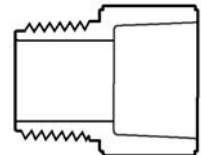
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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PVC GRAY FEMALE ADAPTER (continued)

ASTM Socket x FBSP

335-020G	2	10	0	196	2.69
335-025G	2-1/2	5	0	196	6.77

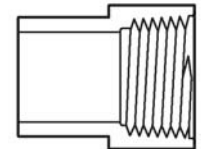
PVC GRAY MALE ADAPTER MBSP x ASTM Socket



SCH 40

336-010G	1	50	300	196	1.21
336-012G	1-1/4	25	200	196	1.46
336-015G	1-1/2	25	0	196	2.01
336-020G	2	25	0	196	2.60
336-025G	2-1/2	5	0	196	7.69
336-030G	3	10	0	196	11.28
336-040G	4	5	0	196	14.35

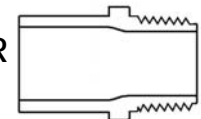
PVC GRAY FEMALE ADAPTER ASTM Spigot x FBSP



SCH 40

378-010G	1	50	0	196	1.62
378-015G	1-1/2	25	0	196	2.77
378-020G	2	20	0	196	4.07

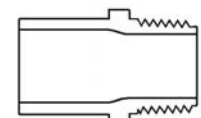
PVC GRAY TAKE-OFF ADAPTER Spigot x MBSP



SCH 40

361-005G	1/2	50	300	196	.97
361-007G	3/4	50	400	196	1.10
361-010G	1	50	0	196	1.90
361-012G	1-1/4	25	100	196	2.35
361-015G	1-1/2	25	0	196	3.14
361-020G	2	25	0	196	3.87

PVC GRAY REDUCING TAKE-OFF ADAPTER Spigot/Socket x MBSP



SCH 40

361-168G	1-1/4X1X1	25	100	196	2.35
361-212G	1-1/2X1-1/4X1-1/4	25	0	196	3.14

PVC & CPVC Metric Fittings, Unions & Valves



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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PVC GRAY REDUCING TAKE-OFF ADAPTER

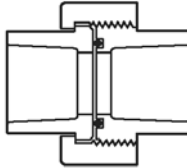
(continued)

Spigot/Socket x MBSP

361-251G	2X1-1/2X1-1/2	25	0	196	3.87
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PVC Transition Union

DIN (mm) Soc x ASTM (in.) Soc with Viton® O-ring Seal

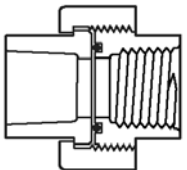


235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8657-020	20 d X 1/2	10	60	197	10.46
8657-025	25 d X 3/4	10	40	197	13.32
8657-032	32 d X 1	10	40	197	15.20
8657-040	40 d X 1-1/4	10	0	197	30.19
8657-050	50 d X 1-1/2	10	0	197	34.19
8657-063	63 d X 2	5	0	197	46.37
8657-090	90 d X 3	5	0	197	86.31
8657-110	110 d X 4	4	0	197	120.21

PVC Transition Union

DIN (mm) Soc x ASTM (in.) Fipt with Viton® O-ring Seal

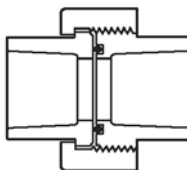


235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8658-020	20 d X 1/2	10	60	197	12.78
8658-025	25 d X 3/4	20	80	197	17.86
8658-032	32 d X 1	15	90	197	23.76
8658-040	40 d X 1-1/4	10	0	197	45.37
8658-050	50 d X 1-1/2	10	0	197	56.16
8658-063	63 d X 2	5	0	197	86.41
8658-090	90 d X 3	5	0	197	203.98
8658-110	110 d X 4	4	0	197	234.43

PVC Transition Union

DIN (mm) Soc x ASTM (in.) Soc with EPDM O-ring Seal



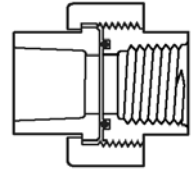
235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8697-020	20 d X 1/2	20	160	197	10.33
8697-025	25 d X 3/4	10	60	197	13.16
8697-032	32 d X 1	15	90	197	15.05
8697-040	40 d X 1-1/4	10	0	197	29.83
8697-050	50 d X 1-1/2	10	0	197	33.77
8697-063	63 d X 2	5	0	197	45.80
8697-090	90 d X 3	5	0	197	85.23
8697-110	110 d X 4	4	0	197	117.88

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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PVC Transition Union

DIN (mm) Soc x ASTM (in.) Fipt with EPDM O-ring Seal

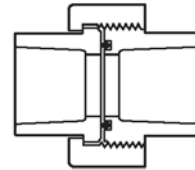


235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8698-020	20 d X 1/2	20	160	197	12.60
8698-025	25 d X 3/4	20	80	197	17.63
8698-032	32 d X 1	15	90	197	23.46
8698-040	40 d X 1-1/4	10	0	197	44.59
8698-050	50 d X 1-1/2	10	0	197	55.46
8698-063	63 d X 2	5	0	197	85.35
8698-090	90 d X 3	5	0	197	201.43
8698-110	110 d X 4	4	0	197	231.28

PVC Transition Union

JIS (mm) Soc x ASTM (in.) Soc with Viton® O-ring Seal

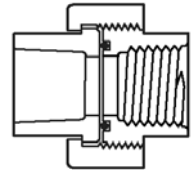


235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8257-016	16 DN X 1/2	20	160	197	10.46
8257-020	20 DN X 3/4	10	40	197	13.32
8257-025	25 DN X 1	15	90	197	15.20
8257-030	30 DN X 1-1/4	10	0	197	30.19
8257-040	40 DN X 1-1/2	10	0	197	34.19
8257-050	50 DN X 2	5	0	197	46.37
8257-075	75 DN X 3	5	0	197	86.31
8257-100	100 DN X 4	4	0	197	120.21

PVC Transition Union

JIS (mm) Soc x ASTM (in.) Fipt with Viton® O-ring Seal



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

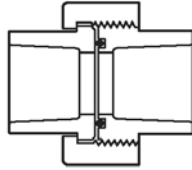
8258-016	16 DN X 1/2	20	160	197	12.78
8258-020	20 DN X 3/4	20	80	197	17.86
8258-025	25 DN X 1	15	90	197	23.76
8258-030	30 DN X 1-1/4	10	0	197	45.37
8258-040	40 DN X 1-1/2	10	0	197	56.16
8258-050	50 DN X 2	5	0	197	86.41
8258-075	75 DN X 3	5	0	197	203.98
8258-100	100 DN X 4	4	0	197	234.43



PVC & CPVC Metric Fittings, Unions & Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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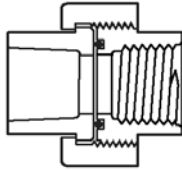
PVC Transition Union
 JIS (mm) Soc x ASTM (in.) Soc with EPDM O-ring Seal



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8297-016	16 DN X 1/2	20	160	197	10.33
8297-020	20 DN X 3/4	20	80	197	13.16
8297-025	25 DN X 1	15	90	197	15.05
8297-030	30 DN X 1-1/4	10	0	197	29.83
8297-040	40 DN X 1-1/2	10	0	197	33.77
8297-050	50 DN X 2	5	0	197	45.80
8297-075	75 DN X 3	5	0	197	85.23
8297-100	100 DN X 4	4	0	197	117.88

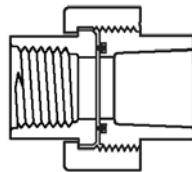
PVC Transition Union
 JIS (mm) Soc x ASTM (in.) Fipt with EPDM O-ring Seal



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8298-016	16 DN X 1/2	20	160	197	12.60
8298-020	20 DN X 3/4	20	80	197	17.63
8298-025	25 DN X 1	15	90	197	23.46
8298-030	30 DN X 1-1/4	10	0	197	44.59
8298-040	40 DN X 1-1/2	10	0	197	55.46
8298-050	50 DN X 2	5	0	197	85.35
8298-075	75 DN X 3	5	0	197	201.43
8298-100	100 DN X 4	4	0	197	231.28

PVC Transition Union
 BSP Thread (in.) x ASTM (in.) Soc with Viton® O-ring Seal

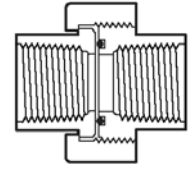


235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8359-005	1/2	20	160	197	12.78
8359-007	3/4	20	80	197	17.86
8359-010	1	15	90	197	23.76
8359-012	1-1/4	10	0	197	45.37
8359-015	1-1/2	10	0	197	56.16
8359-020	2	5	0	197	86.41
8359-030	3	5	0	197	203.98
8359-040	4	4	0	197	234.43

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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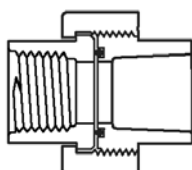
PVC Transition Union
 BSP Thread (in.) x ASTM (in.) Fipt with Viton® O-ring Seal



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8358-005	1/2	20	160	197	12.18
8358-007	3/4	20	80	197	17.01
8358-010	1	15	90	197	22.65
8358-012	1-1/4	10	0	197	43.21
8358-015	1-1/2	10	0	197	53.49
8358-020	2	5	0	197	82.31
8358-030	3	5	0	197	208.77
8358-040	4	4	0	197	245.35

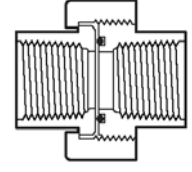
PVC Transition Union
 BSP Thread (in.) x ASTM (in.) Soc with EPDM O-ring Seal



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8399-005	1/2	10	60	197	12.60
8399-007	3/4	20	80	197	17.63
8399-010	1	15	90	197	23.46
8399-012	1-1/4	10	0	197	44.81
8399-015	1-1/2	10	0	197	55.46
8399-020	2	5	0	197	85.35
8399-030	3	5	0	197	201.43
8399-040	4	4	0	197	231.28

PVC Transition Union
 BSP Thread (in.) x ASTM (in.) Fipt with EPDM O-ring Seal



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8398-005	1/2	10	60	197	12.00
8398-007	3/4	10	40	197	16.80
8398-010	1	10	40	197	22.36
8398-012	1-1/4	5	20	197	42.67
8398-015	1-1/2	5	0	197	52.82
8398-020	2	5	0	197	84.86
8398-030	3	5	0	197	206.19
8398-040	4	4	0	197	241.15

PVC & CPVC Metric Fittings, Unions & Valves



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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PVC & CPVC TRUE UNION BALL VALVES (REGULAR STYLE)



Pressure Rating @ 73°F (23°C), Water
2-1/2" - 4" PN 10

Maximum Service
Temperature

PVC = 140°F (60°C)
CPVC = 200°F (93°C)

Pressure Deratings Apply

Rated for Vacuum Service

PTFE Seats

Not For Use With Compressed Air or Gas

PVC True Union Ball Valve (Regular Style) DIN SOC EPDM

2324-025	75	1	0	238	307.61
2324-030	90	1	0	238	405.56
2324-040	110	1	0	238	685.23

PVC True Union Ball Valve (Regular Style) DIN SOC Viton®

2334-025	75	1	0	238	416.81
2334-030	90	1	0	238	450.63
2334-040	110	1	0	238	761.35

PVC True Union Ball Valve (Regular Style) BSP Threaded EPDM

2325-025	2-1/2	1	0	238	307.61
2325-030	3	1	0	238	405.56
2325-040	4	1	0	238	685.23

PVC True Union Ball Valve (Regular Style) BSP Threaded Viton®

2335-025	2-1/2	1	0	238	416.81
2335-030	3	1	0	238	450.63
2335-040	4	1	0	238	761.35

CPVC True Union Ball Valve (Regular Style) DIN SOC EPDM

2324-025C	75	1	0	239	514.91
2324-030C	90	1	0	239	602.06
2324-040C	110	1	0	239	1090.95



PVC & CPVC Metric Fittings, Unions & Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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**CPVC True Union Ball Valve
(Regular Style)
DIN SOC Viton®**

2334-025C	75	1	0	239	572.10
2334-030C	90	1	0	239	668.98
2334-040C	110	1	0	239	1212.17

**CPVC True Union Ball Valve
(Regular Style)
BSP Threaded EPDM**

2325-025C	2 1/2	1	0	239	515.04
2325-030C	3	1	0	239	602.06
2325-040C	4	1	0	239	1090.95

**CPVC True Union Ball Valve
(Regular Style)
BSP Threaded Viton®**

2335-025C	2 1/2	1	0	239	572.10
2335-030C	3	1	0	239	668.98
2335-040C	4	1	0	239	1212.17

PVC & CPVC Metric Fittings, Unions & Valves



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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PVC & CPVC TRUE UNION 2000 INDUSTRIAL BALL VALVES



Pressure Rating @ 73°F (23°C), Water
1/2" - 2" PN 16

Maximum Service
Temperature

PVC = 140°F (60°C)
CPVC = 200°F (93°C)

Pressure Deratings Apply

Rated for Vacuum Service

PTFE Seats

Locking Handle

Not For Use With Compressed Air or Gas

PVC True Union 2000 Industrial Ball Valves DIN SOC EPDM

1824-005	20 d	1	18	238	47.21
1824-007	25 d	1	18	238	55.86
1824-010	32 d	1	12	238	66.52
1824-012	40 d	1	8	238	92.02
1824-015	50 d	1	8	238	110.84
1824-020	63 d	1	4	238	146.26

PVC True Union 2000 Industrial Ball Valves DIN SOC Viton®

1834-005	20 d	1	18	238	52.51
1834-007	25 d	1	18	238	62.14
1834-010	32 d	1	12	238	74.09
1834-012	40 d	1	8	238	117.46
1834-015	50 d	1	8	238	123.04
1834-020	63 d	1	4	238	161.06

PVC True Union 2000 Industrial Ball Valves BSP Threaded EPDM

1825-005	1/2	1	18	238	47.21
1825-007	3/4	1	18	238	55.86
1825-010	1	1	12	238	66.52
1825-012	1-1/4	1	8	238	92.02
1825-015	1-1/2	1	8	238	110.84
1825-020	2	1	4	238	146.26

PVC True Union 2000 Industrial Ball Valves BSP Threaded Viton®

1835-005	1/2	1	18	238	52.51
1835-007	3/4	1	18	238	62.14
1835-010	1	1	12	238	74.09
1835-012	1-1/4	1	8	238	117.46
1835-015	1-1/2	1	8	238	123.04
1835-020	2	1	4	238	161.06



PVC & CPVC Metric Fittings, Unions & Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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**PVC True Union 2000 Industrial
Ball Valves
JIS SOC EPDM**

1828-005	16 DN	1	18	238	47.21
1828-007	20 DN	1	18	238	55.86
1828-010	25 DN	1	12	238	66.52
1828-012	30 DN	1	8	238	92.02
1828-015	40 DN	1	8	238	110.84
1828-020	50 DN	1	4	238	146.26

**PVC True Union 2000 Industrial
Ball Valves
JIS SOC Viton®**

1838-005	16 DN	1	18	238	52.51
1838-007	20 DN	1	18	238	62.14
1838-010	25 DN	1	12	238	74.09
1838-012	30 DN	1	8	238	117.46
1838-015	40 DN	1	8	238	123.04
1838-020	50 DN	1	4	238	161.06

**CPVC True Union 2000 Industrial
Ball Valves
DIN SOC EPDM**

1824-005C	20 d	1	18	239	62.35
1824-007C	25 d	1	18	239	78.52
1824-010C	32 d	1	12	239	93.48
1824-012C	40 d	1	8	239	148.61
1824-015C	50 d	1	8	239	156.95
1824-020C	63 d	1	4	239	209.90

**CPVC True Union 2000 Industrial
Ball Valves
DIN SOC Viton®**

1834-005C	20 d	1	18	239	69.28
1834-007C	25 d	1	18	239	87.27
1834-010C	32 d	1	12	239	103.86
1834-012C	40 d	1	8	239	165.17
1834-015C	50 d	1	8	239	174.39
1834-020C	63 d	1	4	239	241.30

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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**CPVC True Union 2000 Industrial
Ball Valves
BSP Threaded EPDM**

1825-005C	1/2	1	18	239	62.35
1825-007C	3/4	1	18	239	78.52
1825-010C	1	1	12	239	93.48
1825-012C	1-1/4	1	8	239	148.61
1825-015C	1-1/2	1	8	239	156.95
1825-020C	2	1	4	239	209.90

**CPVC True Union 2000 Industrial
Ball Valves
BSP Threaded Viton®**

1835-005C	1/2	1	18	239	69.28
1835-007C	3/4	1	18	239	87.27
1835-010C	1	1	12	239	103.86
1835-012C	1-1/4	1	8	239	165.17
1835-015C	1-1/2	1	8	239	174.39
1835-020C	2	1	4	239	241.30

**CPVC True Union 2000 Industrial
Ball Valves
JIS SOC EPDM**

1828-005C	16 DN	1	18	239	62.35
1828-007C	20 DN	1	18	239	78.52
1828-010C	25 DN	1	12	239	93.48
1828-012C	30 DN	1	8	239	148.61
1828-015C	40 DN	1	8	239	156.95
1828-020C	50 DN	1	4	239	209.90

**CPVC True Union 2000 Industrial
Ball Valves
JIS SOC Viton®**

1838-005C	16 DN	1	18	239	69.28
1838-007C	20 DN	1	18	239	87.27
1838-010C	25 DN	1	12	239	103.57
1838-012C	30 DN	1	8	239	165.17
1838-015C	40 DN	1	8	239	174.39
1838-020C	50 DN	1	4	239	241.30

PVC & CPVC Metric Fittings, Unions & Valves



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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PVC & CPVC TRUE UNION 2000 STANDARD BALL VALVES



Pressure Rating @ 73°F (23°C), Water
1/2" - 2" PN 16

Maximum Service Temperature

PVC = 140°F (60°C)
CPVC = 200°F (93°C)

Pressure Deratings Apply

PE Seats

Not For Use With Compressed Air or Gas

PVC True Union 2000 Standard Ball Valves DIN SOC EPDM

3624-005	20 d	1	18	238	37.78
3624-007	25 d	1	18	238	44.68
3624-010	32 d	1	18	238	53.22
3624-012	40 d	1	12	238	73.61
3624-015	50 d	1	8	238	88.68
3624-020	63 d	1	8	238	117.02

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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PVC True Union 2000 Standard Ball Valves DIN SOC Viton®

3634-005	20 d	1	18	238	42.02
3634-007	25 d	1	18	238	49.70
3634-010	32 d	1	18	238	59.28
3634-012	40 d	1	12	238	93.96
3634-015	50 d	1	8	238	98.44
3634-020	63 d	1	8	238	128.84

PVC True Union 2000 Standard Ball Valves BSP Threaded EPDM

3625-005	1/2	1	18	238	37.78
3625-007	3/4	1	18	238	44.68
3625-010	1	1	18	238	53.22
3625-012	1-1/4	1	12	238	73.61
3625-015	1-1/2	1	8	238	88.68
3625-020	2	1	8	238	117.02

PVC True Union 2000 Standard Ball Valves BSP Threaded Viton®

3635-005	1/2	1	18	238	42.02
3635-007	3/4	1	18	238	49.70
3635-010	1	1	18	238	59.28
3635-015	1-1/2	1	8	238	98.44
3635-012	1-1/4	1	12	238	93.96
3635-020	2	1	8	238	128.84

PVC True Union 2000 Standard Ball Valves JIS SOC EPDM

3628-005	16 DN	1	18	238	37.78
3628-007	20 DN	1	18	238	44.68
3628-010	25 DN	1	18	238	53.22
3628-012	30 DN	1	12	238	73.61
3628-015	40 DN	1	8	238	88.68
3628-020	50 DN	1	8	238	117.02



PVC & CPVC Metric Fittings, Unions & Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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**PVC True Union 2000 Standard
Ball Valves
JIS SOC Viton®**

3638-005	16 DN	1	18	238	42.02
3638-007	20 DN	1	18	238	49.70
3638-010	25 DN	1	18	238	59.28
3638-012	30 DN	1	12	238	93.96
3638-015	40 DN	1	8	238	98.44
3638-020	50 DN	1	8	238	128.84

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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**CPVC True Union 2000 Standard
Ball Valves
BSP Threaded Viton®**

3635-005C	1/2	1	18	239	55.44
3635-007C	3/4	1	18	239	69.82
3635-010C	1	1	18	239	83.10
3635-012C	1-1/4	1	12	239	132.15
3635-015C	1-1/2	1	8	239	139.51
3635-020C	2	1	8	239	193.05

**CPVC True Union 2000 Standard
Ball Valves
DIN SOC EPDM**

3624-005C	20 d	1	18	239	49.86
3624-007C	25 d	1	18	239	62.82
3624-010C	32 d	1	18	239	74.79
3624-012C	40 d	1	12	239	118.90
3624-015C	50 d	1	8	239	125.55
3624-020C	63 d	1	8	239	167.94

**CPVC True Union 2000 Standard
Ball Valves
JIS SOC EPDM**

3628-005C	16 DN	1	18	239	49.86
3628-007C	20 DN	1	18	239	62.82
3628-010C	25 DN	1	18	239	83.10
3628-012C	30 DN	1	12	239	118.90
3628-015C	40 DN	1	8	239	125.55
3628-020C	50 DN	1	8	239	167.94

**CPVC True Union 2000 Standard
Ball Valves
DIN SOC Viton®**

3634-005C	20 d	1	18	239	55.44
3634-007C	25 d	1	18	239	69.82
3634-010C	32 d	1	18	239	83.10
3634-012C	40 d	1	12	239	132.15
3634-015C	50 d	1	8	239	139.51
3634-020C	63 d	1	8	239	193.05

**CPVC True Union 2000 Standard
Ball Valves
JIS SOC Viton®**

3638-005C	16 DN	1	18	239	55.44
3638-007C	20 DN	1	18	239	69.82
3638-010C	25 DN	1	18	239	83.10
3638-012C	30 DN	1	12	239	132.15
3638-015C	40 DN	1	8	239	139.51
3638-020C	50 DN	1	8	239	193.05

**CPVC True Union 2000 Standard
Ball Valves
BSP Threaded EPDM**

3625-005C	1/2	1	18	239	49.86
3625-007C	3/4	1	18	239	62.82
3625-010C	1	1	18	239	74.49
3625-012C	1-1/4	1	12	239	118.90
3625-015C	1-1/2	1	8	239	125.55
3625-020C	2	1	8	239	167.94

PVC & CPVC Metric Fittings, Unions & Valves



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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PVC & CPVC TRUE UNION 2000 INDUSTRIAL 3-WAY HORIZONTAL DIVERTER BALL VALVES



Pressure Rating @ 73°F (23°C), Water
1/2" - 2" PN 16

Maximum Service Temperature

PVC = 140°F (60°C)
CPVC = 200°F (93°C)

Pressure Deratings Apply

Vertical 3-Way or Horizontal Diverter
(No Branch Shut-off)

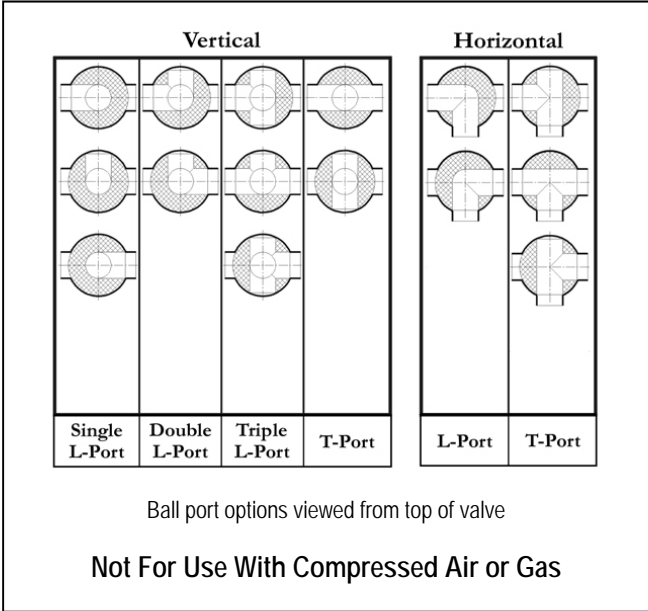
All Standard Carton Quantities are one

All Valves assembled with Silicone-Free,
Water Soluble Lubricant

Contact Spears® for Pricing on
Additional Specialty Valves Available

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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BALL PORT OPTIONS



PVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves

DIN SOC with L1 Port EPDM

5024L1-005	20 d	1	12	238	97.41
5024L1-007	25 d	1	8	238	116.18
5024L1-010	32 d	1	8	238	140.86
5024L1-012	40 d	1	8	238	163.27
5024L1-015	50 d	1	8	238	190.90
5024L1-020	63 d	1	0	238	234.18

PVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves

DIN SOC with L1 Port Viton®

5034L1-005	20 d	1	12	238	105.66
5034L1-007	25 d	1	8	238	125.05
5034L1-010	32 d	1	8	238	155.18
5034L1-012	40 d	1	8	238	183.65
5034L1-015	50 d	1	8	238	209.00
5034L1-020	63 d	1	0	238	273.02



PVC & CPVC Metric Fittings, Unions & Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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**PVC True Union 2000 Industrial
3-Way Horizontal Diverter Ball
Valves**
BSP Threaded with L1 Port EPDM

5025L1-005	1/2	1	12	238	97.41
5025L1-007	3/4	1	8	238	116.18
5025L1-010	1	1	8	238	140.86
5025L1-012	1-1/4	1	8	238	163.27
5025L1-015	1-1/2	1	8	238	190.90
5025L1-020	2	1	0	238	234.18

**PVC True Union 2000 Industrial
3-Way Horizontal Diverter Ball
Valves**
BSP Threaded with L1 Port Viton®

5035L1-005	1/2	1	12	238	105.66
5035L1-007	3/4	1	8	238	125.05
5035L1-010	1	1	8	238	155.18
5035L1-012	1-1/4	1	8	238	183.65
5035L1-015	1-1/2	1	8	238	209.00
5035L1-020	2	1	0	238	273.02

**PVC True Union 2000 Industrial
3-Way Horizontal Diverter Ball
Valves**
JIS SOC with L1 Port EPDM

5028L1-005	16 DN	1	12	238	97.41
5028L1-007	20 DN	1	8	238	116.18
5028L1-010	25 DN	1	8	238	140.86
5028L1-012	30 DN	1	8	238	163.27
5028L1-015	40 DN	1	8	238	190.90
5028L1-020	50 DN	1	0	238	234.18

**PVC True Union 2000 Industrial
3-Way Horizontal Diverter Ball
Valves**
JIS SOC with L1 Port Viton®

5038L1-005	16 DN	1	12	238	105.66
5038L1-007	20 DN	1	8	238	125.05
5038L1-010	25 DN	1	8	238	155.18
5038L1-012	32 DN	1	8	238	183.65
5038L1-015	40 DN	1	8	238	209.00
5038L1-020	50 DN	1	0	238	273.02

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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**PVC True Union 2000 Industrial
3-Way Horizontal Diverter Ball
Valves**
DIN SOC with T1 Port EPDM

5024T1-005	20 d	1	12	238	97.41
5024T1-007	25 d	1	8	238	116.18
5024T1-010	32 d	1	8	238	140.86
5024T1-012	40 d	1	8	238	163.27
5024T1-015	50 d	1	8	238	190.90
5024T1-020	63 d	1	0	238	234.18

**PVC True Union 2000 Industrial
3-Way Horizontal Diverter Ball
Valves**
DIN SOC with T1 Port Viton®

5034T1-005	20 d	1	12	238	105.66
5034T1-007	25 d	1	8	238	125.05
5034T1-010	32 d	1	8	238	155.18
5034T1-012	40 d	1	8	238	183.65
5034T1-015	50 d	1	8	238	209.00
5034T1-020	63 d	1	0	238	273.02

**PVC True Union 2000 Industrial
3-Way Horizontal Diverter Ball
Valves**
BSP Threaded with T1 Port EPDM

5025T1-005	1/2	1	12	238	97.41
5025T1-007	3/4	1	8	238	116.18
5025T1-010	1	1	8	238	140.86
5025T1-012	1-1/4	1	8	238	163.27
5025T1-015	1-1/2	1	8	238	190.90
5025T1-020	2	1	0	238	234.18

**PVC True Union 2000 Industrial
3-Way Horizontal Diverter Ball
Valves**
BSP Threaded with T1 Port Viton®

5035T1-005	1/2	1	12	238	105.66
5035T1-007	3/4	1	8	238	125.05
5035T1-010	1	1	8	238	155.18
5035T1-012	1-1/4	1	8	238	183.65
5035T1-015	1-1/2	1	8	238	209.00
5035T1-020	2	1	0	238	273.02

PVC & CPVC Metric Fittings, Unions & Valves



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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PVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves

JIS SOC with T1 Port EPDM

5028T1-005	16 DN	1	12	238	97.41
5028T1-007	20 DN	1	8	238	116.18
5028T1-010	25 DN	1	8	238	140.86
5028T1-012	30 DN	1	8	238	163.27
5028T1-015	40 DN	1	8	238	190.90
5028T1-020	50 DN	1	0	238	234.18

PVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves

JIS SOC with T1 Port Viton®

5038T1-005	16 DN	1	12	238	105.66
5038T1-007	20 DN	1	8	238	125.05
5038T1-010	25 DN	1	8	238	155.18
5038T1-012	32 DN	1	8	238	183.65
5038T1-015	40 DN	1	8	238	209.00
5038T1-020	50 DN	1	0	238	273.02

CPVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves

DIN SOC with L1 Port EPDM

5024L1-005C	20 d	1	12	239	149.93
5024L1-007C	25 d	1	8	239	178.71
5024L1-010C	32 d	1	8	239	216.71
5024L1-012C	40 d	1	8	239	251.13
5024L1-015C	50 d	1	8	239	293.76
5024L1-020C	63 d	1	0	239	360.38

CPVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves

DIN SOC with L1 Port Viton®

5034L1-005C	20 d	1	12	239	162.43
5034L1-007C	25 d	1	8	239	192.37
5034L1-010C	32 d	1	8	239	238.78
5034L1-012C	40 d	1	8	239	281.56
5034L1-015C	50 d	1	8	239	321.52
5034L1-020C	63 d	1	0	239	420.01

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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CPVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves

BSP Threaded with L1 Port EPDM

5025L1-005C	1/2	1	12	239	149.93
5025L1-007C	3/4	1	8	239	178.71
5025L1-010C	1	1	8	239	216.71
5025L1-012C	1-1/4	1	8	239	251.13
5025L1-015C	1-1/2	1	8	239	293.76
5025L1-020C	2	1	0	239	360.38

CPVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves

BSP Threaded with L1 Port Viton®

5035L1-005C	1/2	1	12	239	162.43
5035L1-007C	3/4	1	8	239	192.37
5035L1-010C	1	1	8	239	238.78
5035L1-012C	1-1/4	1	8	239	290.76
5035L1-015C	1-1/2	1	8	239	321.52
5035L1-020C	2	1	0	239	420.01

CPVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves

JIS SOC with L1 Port EPDM

5028L1-005C	16 DN	1	12	239	149.93
5028L1-007C	20 DN	1	8	239	178.71
5028L1-010C	25 DN	1	8	239	216.71
5028L1-012C	30 DN	1	8	239	251.13
5028L1-015C	40 DN	1	8	239	293.76
5028L1-020C	50 DN	1	0	239	360.38

CPVC True Union 2000 Industrial 3-Way Horizontal Diverter Ball Valves

JIS SOC with L1 Port Viton®

5038L1-005C	16 DN	1	12	239	162.43
5038L1-007C	20 DN	1	8	239	192.37
5038L1-010C	25 DN	1	8	239	238.78
5038L1-012C	32 DN	1	8	239	281.56
5038L1-015C	40 DN	1	8	239	321.52
5038L1-020C	50 DN	1	0	239	420.01



PVC & CPVC Metric Fittings, Unions & Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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**CPVC True Union 2000 Industrial
3-Way Horizontal Diverter Ball
Valves
DIN SOC with T1 Port EPDM**

5024T1-005C	20 d	1	12	239	149.93
5024T1-007C	25 d	1	8	239	178.71
5024T1-010C	32 d	1	8	239	216.71
5024T1-012C	40 d	1	8	239	251.13
5024T1-015C	50 d	1	8	239	293.76
5024T1-020C	63 d	1	0	239	360.38

**CPVC True Union 2000 Industrial
3-Way Horizontal Diverter Ball
Valves
DIN SOC with T1 Port Viton®**

5034T1-005C	20 d	1	12	239	162.43
5034T1-007C	25 d	1	8	239	192.37
5034T1-010C	32 d	1	8	239	238.78
5034T1-012C	40 d	1	8	239	281.56
5034T1-015C	50 d	1	8	239	321.52
5034T1-020C	63 d	1	0	239	420.01

**CPVC True Union 2000 Industrial
3-Way Horizontal Diverter Ball
Valves
BSP Threaded with T1 Port EPDM**

5025T1-005C	1/2	1	12	239	149.93
5025T1-007C	3/4	1	8	239	178.71
5025T1-010C	1	1	8	239	216.71
5025T1-012C	1-1/4	1	8	239	251.13
5025T1-015C	1-1/2	1	8	239	293.76
5025T1-020C	2	1	0	239	360.38

**CPVC True Union 2000 Industrial
3-Way Horizontal Diverter Ball
Valves
BSP Threaded with T1 Port Viton®**

5035T1-005C	1/2	1	12	239	162.43
5035T1-007C	3/4	1	8	239	192.37
5035T1-010C	1	1	8	239	238.78
5035T1-012C	1-1/4	1	8	239	281.56
5035T1-015C	1-1/2	1	8	239	321.52
5035T1-020C	2	1	0	239	420.01

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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**CPVC True Union 2000 Industrial
3-Way Horizontal Diverter Ball
Valves
JIS SOC with T1 Port EPDM**

5028T1-005C	16 DN	1	720	239	149.93
5028T1-007C	20 DN	1	8	239	178.71
5028T1-010C	25 DN	1	8	239	216.71
5028T1-012C	30 DN	1	8	239	251.13
5028T1-015C	40 DN	1	8	239	293.76
5028T1-020C	50 DN	1	0	239	360.38

**CPVC True Union 2000 Industrial
3-Way Horizontal Diverter Ball
Valves
JIS SOC with T1 Port Viton®**

5038T1-005C	16 DN	1	12	239	162.43
5038T1-007C	20 DN	1	8	239	192.37
5038T1-010C	25 DN	1	8	239	238.78
5038T1-012C	32 DN	1	8	239	281.56
5038T1-015C	40 DN	1	8	239	321.52
5038T1-020C	50 DN	1	0	239	420.01

PVC & CPVC Metric Fittings, Unions & Valves



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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PVC & CPVC TRUE UNION 2000 INDUSTRIAL 3-WAY VERTICAL BALL VALVES



Pressure Rating @ 73°F (23°C), Water
1/2" - 2" PN 16

Maximum Service Temperature

PVC = 140°F (60°C)
CPVC = 200°F (93°C)

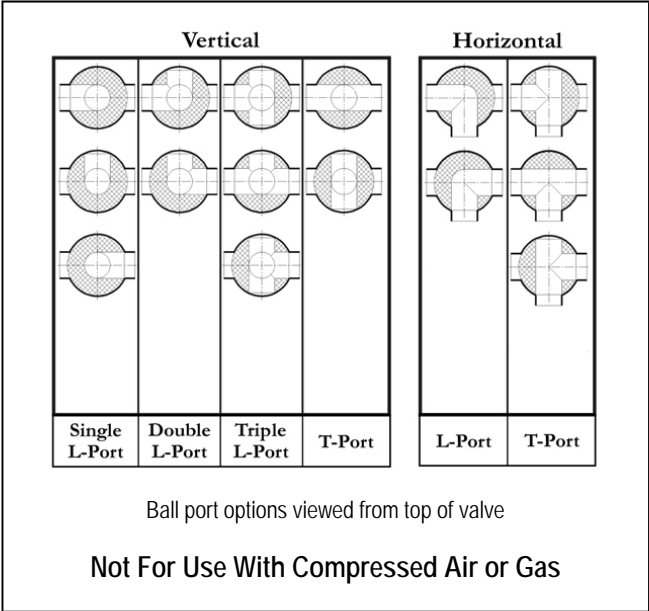
Pressure Deratings Apply

Vertical 3-Way or Horizontal Diverter
(No Branch Shut-off)

All Standard Carton Quantities are one
All Valves assembled with Silicone-Free,
Water Soluble Lubricant

Contact Spears® for Pricing on
Additional Specialty Valves Available

BALL PORT OPTIONS



PVC True Union 2000 Industrial 3-Way Vertical Ball Valves DIN SOC with L1 Port EPDM

4724L1-005	20 d	1	12	238	96.93
4724L1-007	25 d	1	8	238	113.70
4724L1-010	32 d	1	8	238	138.22
4724L1-012	40 d	1	8	238	167.19
4724L1-015	50 d	1	8	238	193.34
4724L1-020	63 d	1	4	238	237.13

PVC True Union 2000 Industrial 3-Way Vertical Ball Valves DIN SOC with L1 port Viton®

4734L1-005	20 d	1	12	238	104.98
4734L1-007	25 d	1	8	238	123.91
4734L1-010	32 d	1	8	238	153.88
4734L1-012	40 d	1	8	238	196.99
4734L1-015	50 d	1	8	238	211.95
4734L1-020	63 d	1	4	238	275.32



PVC & CPVC Metric Fittings, Unions & Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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**PVC True Union 2000 Industrial
3-Way Vertical Ball Valves
BSP Threaded with L1 Port EPDM**

4725L1-005	1/2	1	12	238	96.93
4725L1-007	3/4	1	8	238	113.70
4725L1-010	1	1	8	238	138.22
4725L1-012	1-1/4	1	8	238	167.19
4725L1-015	1-1/2	1	8	238	193.34
4725L1-020	2	1	4	238	237.13

**PVC True Union 2000 Industrial
3-Way Vertical Ball Valves
BSP Threaded with L1 Port Viton®**

4735L1-005	1/2	1	12	238	104.98
4735L1-007	3/4	1	8	238	123.91
4735L1-010	1	1	8	238	153.88
4735L1-012	1-1/4	1	8	238	196.99
4735L1-015	1-1/2	1	8	238	211.95
4735L1-020	2	1	4	238	275.32

**PVC True Union 2000 Industrial
3-Way Vertical Ball Valves
JIS SOC with L1 port EPDM**

4728L1-005	16 DN	1	12	238	96.93
4728L1-007	20 DN	1	8	238	113.70
4728L1-010	25 DN	1	8	238	138.22
4728L1-012	32 DN	1	8	238	167.19
4728L1-015	40 DN	1	8	238	193.34
4728L1-020	50 DN	1	4	238	237.13

**PVC True Union 2000 Industrial
3-Way Vertical Ball Valves
JIS SOC with L1 Port Viton®**

4738L1-005	16 DN	1	12	238	104.98
4738L1-007	20 DN	1	8	238	123.91
4738L1-010	25 DN	1	8	238	153.88
4738L1-012	30 DN	1	8	238	196.99
4738L1-015	40 DN	1	8	238	211.95
4738L1-020	50 DN	1	4	238	275.32

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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**PVC True Union 2000 Industrial
3-Way Vertical Ball Valves
DIN SOC with L2 Port EPDM**

4724L2-005	20 d	1	12	238	193.04
4724L2-007	25 d	1	8	238	209.82
4724L2-010	32 d	1	8	238	234.36
4724L2-012	40 d	1	8	238	263.31
4724L2-015	50 d	1	8	238	289.47
4724L2-020	63 d	1	4	238	333.22

**PVC True Union 2000 Industrial
3-Way Vertical Ball Valves
DIN SOC with L2 Port Viton®**

4734L2-005	20 d	1	12	238	201.10
4734L2-007	25 d	1	8	238	220.02
4734L2-010	32 d	1	8	238	249.96
4734L2-012	40 d	1	8	238	293.10
4734L2-015	50 d	1	8	238	308.05
4734L2-020	63 d	1	4	238	371.43

**PVC True Union 2000 Industrial
3-Way Vertical Ball Valves
BSP Threaded with L2 Port EPDM**

4725L2-005	1/2	1	12	238	193.04
4725L2-007	3/4	1	8	238	209.82
4725L2-010	1	1	8	238	234.36
4725L2-012	1-1/4	1	8	238	263.31
4725L2-015	1-1/2	1	8	238	289.47
4725L2-020	2	1	4	238	333.22

**PVC True Union 2000 Industrial
3-Way Vertical Ball Valves
BSP Threaded with L2 Port Viton®**

4735L2-005	1/2	1	720	238	201.10
4735L2-007	3/4	1	8	238	220.02
4735L2-010	1	1	8	238	249.96
4735L2-012	1-1/4	1	8	238	293.10
4735L2-015	1-1/2	1	8	238	308.05
4735L2-020	2	1	4	238	371.43

PVC & CPVC Metric Fittings, Unions & Valves



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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**PVC True Union 2000 Industrial
3-Way Vertical Ball Valves
JIS SOC with L2 Port EPDM**

4728L2-005	16 DN	1	12	238	193.04
4728L2-007	20 DN	1	8	238	209.82
4728L2-010	25 DN	1	8	238	234.36
4728L2-012	30 DN	1	8	238	263.31
4728L2-015	40 DN	1	8	238	289.47
4728L2-020	50 DN	1	4	238	333.22

**PVC True Union 2000 Industrial
3-Way Vertical Ball Valves
JIS SOC with L2 Port Viton®**

4738L2-005	16 DN	1	12	238	201.10
4738L2-007	20 DN	1	8	238	220.02
4738L2-010	25 DN	1	8	238	249.96
4738L2-012	30 DN	1	8	238	293.10
4738L2-015	40 DN	1	8	238	308.05
4738L2-020	50 DN	1	4	238	371.43

**PVC True Union 2000 Industrial
3-Way Vertical Ball Valves
DIN SOC with L3 Port EPDM**

4724L3-005	20 d	1	12	238	193.04
4724L3-007	25 d	1	8	238	209.82
4724L3-010	32 d	1	8	238	234.36
4724L3-012	40 d	1	8	238	263.31
4724L3-015	50 d	1	8	238	289.47
4724L3-020	63 d	1	4	238	333.22

**PVC True Union 2000 Industrial
3-Way Vertical Ball Valves
DIN SOC with L3 Port Viton®**

4734L3-005	20 d	1	12	238	201.10
4734L3-007	25 d	1	8	238	220.02
4734L3-010	32 d	1	8	238	249.96
4734L3-012	40 d	1	8	238	293.10
4734L3-015	50 d	1	8	238	308.05
4734L3-020	63 d	1	4	238	371.43

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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**PVC True Union 2000 Industrial
3-Way Vertical Ball Valves
BSP Threaded with L3 Port EPDM**

4725L3-005	1/2	1	12	238	193.04
4725L3-007	3/4	1	8	238	209.82
4725L3-010	1	1	8	238	234.36
4725L3-012	1-1/4	1	8	238	263.31
4725L3-015	1-1/2	1	8	238	289.47
4725L3-020	2	1	4	238	333.22

**PVC True Union 2000 Industrial
3-Way Vertical Ball Valves
BSP Threaded with L3 Port Viton®**

4735L3-005	1/2	1	12	238	201.10
4735L3-007	3/4	1	8	238	220.02
4735L3-010	1	1	8	238	249.96
4735L3-012	1-1/4	1	8	238	293.10
4735L3-015	1-1/2	1	8	238	308.05
4735L3-020	2	1	4	238	371.43

**PVC True Union 2000 Industrial
3-Way Vertical Ball Valves
JIS SOC with L3 Port EPDM**

4728L3-005	16 DN	1	12	238	193.04
4728L3-007	20 DN	1	8	238	209.82
4728L3-010	25 DN	1	8	238	234.36
4728L3-012	30 DN	1	8	238	263.31
4728L3-015	40 DN	1	8	238	289.47
4728L3-020	50 DN	1	4	238	333.22

**PVC True Union 2000 Industrial
3-Way Vertical Ball Valves
JIS SOC with L3 Port Viton®**

4738L3-005	16 DN	1	12	238	201.10
4738L3-007	20 DN	1	8	238	220.02
4738L3-010	25 DN	1	8	238	249.96
4738L3-012	30 DN	1	8	238	293.10
4738L3-015	40 DN	1	8	238	308.05
4738L3-020	50 DN	1	4	238	371.43



PVC & CPVC Metric Fittings, Unions & Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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**PVC True Union 2000 Industrial
3-Way Vertical Ball Valves
DIN SOC with T1 Port EPDM**

4724T1-005	20 d	1	12	238	96.93
4724T1-007	25 d	1	8	238	113.70
4724T1-010	32 d	1	8	238	138.22
4724T1-012	40 d	1	8	238	167.19
4724T1-015	50 d	1	8	238	193.34
4724T1-020	63 d	1	4	238	237.13

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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**PVC True Union 2000 Industrial
3-Way Vertical Ball Valves
JIS SOC with T1 Port EPDM**

4728T1-005	16 DN	1	12	238	96.93
4728T1-007	20 DN	1	8	238	113.70
4728T1-010	25 DN	1	8	238	138.22
4728T1-012	30 DN	1	8	238	167.19
4728T1-015	40 DN	1	8	238	193.34
4728T1-020	50 DN	1	4	238	237.13

**PVC True Union 2000 Industrial
3-Way Vertical Ball Valves
DIN SOC with T1 Port Viton®**

4734T1-005	20 d	1	12	238	104.98
4734T1-007	25 d	1	8	238	123.91
4734T1-010	32 d	1	8	238	153.88
4734T1-012	40 d	1	8	238	196.99
4734T1-015	50 d	1	8	238	212.64
4734T1-020	63 d	1	4	238	275.32

**PVC True Union 2000 Industrial
3-Way Vertical Ball Valves
JIS SOC with T1 Port Viton®**

4738T1-005	16 DN	1	12	238	104.98
4738T1-007	20 DN	1	8	238	123.91
4738T1-010	25 DN	1	8	238	153.88
4738T1-012	30 DN	1	8	238	196.99
4738T1-015	40 DN	1	8	238	211.95
4738T1-020	50 DN	1	4	238	275.32

**PVC True Union 2000 Industrial
3-Way Vertical Ball Valves
BSP Threaded with T1 Port EPDM**

4725T1-005	1/2	1	12	238	96.93
4725T1-007	3/4	1	8	238	113.70
4725T1-010	1	1	8	238	138.22
4725T1-012	1-1/4	1	8	238	167.19
4725T1-015	1-1/2	1	8	238	193.34
4725T1-020	2	1	4	238	237.13

**CPVC True Union 2000 Industrial
3-Way Vertical Ball Valves
DIN SOC with L1 Port EPDM**

4724L1-005C	20 d	1	12	239	149.09
4724L1-007C	25 d	1	8	239	174.94
4724L1-010C	32 d	1	8	239	212.62
4724L1-012C	40 d	1	8	239	257.21
4724L1-015C	50 d	1	8	239	297.35
4724L1-020C	63 d	1	4	239	364.84

**PVC True Union 2000 Industrial
3-Way Vertical Ball Valves
BSP Threaded with T1 Port Viton®**

4735T1-005	1/2	1	12	238	104.98
4735T1-007	3/4	1	8	238	123.91
4735T1-010	1	1	8	238	153.88
4735T1-012	1-1/4	1	8	238	196.99
4735T1-015	1-1/2	1	8	238	211.95
4735T1-020	2	1	4	238	275.32

**CPVC True Union 2000 Industrial
3-Way Vertical Ball Valves
DIN SOC with L1 Port Viton®**

4734L1-005C	20 d	1	12	239	161.43
4734L1-007C	25 d	1	8	239	190.57
4734L1-010C	32 d	1	8	239	236.81
4734L1-012C	40 d	1	8	239	303.12
4734L1-015C	50 d	1	8	239	325.99
4734L1-020C	63 d	1	4	239	423.57

PVC & CPVC Metric Fittings, Unions & Valves



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves BSP Threaded with L1 Port EPDM

4725L1-005C	1/2	1	12	239	149.09
4725L1-007C	3/4	1	8	239	174.94
4724L1-010C	32 d	1	8	239	212.62
4725L1-012C	1-1/4	1	8	239	257.21
4725L1-015C	1-1/2	1	8	239	297.35
4725L1-020C	2	1	4	239	364.84

CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves BSP Threaded with L1 Port Viton®

4735L1-005C	1/2	1	12	239	161.43
4735L1-007C	3/4	1	8	239	190.57
4735L1-010C	1	1	8	239	236.81
4735L1-012C	1-1/4	1	8	239	303.12
4735L1-015C	1-1/2	1	8	239	325.99
4735L1-020C	2	1	4	239	423.57

CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves JIS SOC with L1 Port EPDM

4728L1-005C	16 DN	1	12	239	149.09
4728L1-007C	20 DN	1	8	239	174.94
4728L1-010C	25 DN	1	8	239	212.62
4728L1-012C	32 DN	1	8	239	257.21
4728L1-015C	40 DN	1	8	239	297.35
4728L1-020C	50 DN	1	4	239	364.84

CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves JIS SOC with L1 Port Viton®

4738L1-005C	16 DN	1	12	239	161.43
4738L1-007C	20 DN	1	8	239	190.57
4738L1-010C	25 DN	1	8	239	236.81
4738L1-012C	30 DN	1	8	239	303.12
4738L1-015C	40 DN	1	8	239	325.99
4738L1-020C	50 DN	1	4	239	423.57

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves DIN SOC with L2 Port EPDM

4724L2-005C	20 d	1	12	239	297.04
4724L2-007C	25 d	1	8	239	322.87
4724L2-010C	32 d	1	8	239	360.54
4724L2-012C	40 d	1	8	239	404.98
4724L2-015C	50 d	1	8	239	445.32
4724L2-020C	63 d	1	4	239	512.63

CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves DIN SOC with L2 Port Viton®

4734L2-005C	20 d	1	12	239	309.38
4734L2-007C	25 d	1	8	239	338.50
4734L2-010C	32 d	1	8	239	384.57
4734L2-012C	40 d	1	8	239	450.91
4734L2-015C	50 d	1	8	239	473.95
4734L2-020C	63 d	1	4	239	571.37

CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves BSP Threaded with L2 Port EPDM

4725L2-005C	1/2	1	12	239	297.04
4725L2-007C	3/4	1	8	239	322.87
4725L2-010C	1	1	8	239	360.54
4725L2-012C	1-1/4	1	8	239	404.98
4725L2-015C	1-1/2	1	8	239	445.32
4725L2-020C	2	1	4	239	512.63

CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves BSP Threaded with L2 Port Viton®

4735L2-005C	1/2	1	12	239	309.38
4735L2-007C	3/4	1	8	239	338.50
4735L2-010C	1	1	8	239	384.57
4735L2-012C	1-1/4	1	8	239	450.89
4735L2-015C	1-1/2	1	8	239	473.95
4735L2-020C	2	1	4	239	571.37



PVC & CPVC Metric Fittings, Unions & Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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**CPVC True Union 2000 Industrial
3-Way Vertical Ball Valves
JIS SOC with L2 Port EPDM**

4728L2-005C	16 DN	1	12	239	297.04
4728L2-007C	20 DN	1	8	239	322.87
4728L2-010C	25 DN	1	8	239	360.54
4728L2-012C	30 DN	1	8	239	404.98
4728L2-015C	40 DN	1	8	239	445.32
4728L2-020C	50 DN	1	4	239	512.63

**CPVC True Union 2000 Industrial
3-Way Vertical Ball Valves
JIS SOC with L2 Port Viton®**

4738L2-005C	16 DN	1	12	239	309.38
4738L2-007C	20 DN	1	8	239	338.50
4738L2-010C	25 DN	1	8	239	384.57
4738L2-012C	30 DN	1	8	239	450.89
4738L2-015C	40 DN	1	8	239	473.95
4738L2-020C	50 DN	1	4	239	571.37

**CPVC True Union 2000 Industrial
3-Way Vertical Ball Valves
DIN SOC with L3 Port EPDM**

4724L3-005C	20 d	1	12	239	297.04
4724L3-007C	25 d	1	8	239	322.87
4724L3-010C	32 d	1	8	239	360.54
4724L3-012C	40 d	1	8	239	404.98
4724L3-015C	50 d	1	8	239	445.32
4724L3-020C	63 d	1	4	239	512.63

**CPVC True Union 2000 Industrial
3-Way Vertical Ball Valves
DIN SOC with L3 Port Viton®**

4734L3-005C	20 d	1	12	239	309.38
4734L3-007C	25 d	1	8	239	338.50
4734L3-010C	32 d	1	8	239	384.57
4734L3-012C	40 d	1	8	239	450.89
4734L3-015C	50 d	1	8	239	473.95
4734L3-020C	63 d	1	4	239	571.37

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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**CPVC True Union 2000 Industrial
3-Way Vertical Ball Valves
BSP Threaded with L3 Port EPDM**

4725L3-005C	1/2	1	12	239	297.04
4725L3-007C	3/4	1	8	239	322.87
4725L3-010C	1	1	8	239	360.54
4725L3-012C	1-1/4	1	8	239	404.98
4725L3-015C	1-1/2	1	8	239	445.32
4725L3-020C	2	1	4	239	512.63

**CPVC True Union 2000 Industrial
3-Way Vertical Ball Valves
BSP Threaded with L3 Port Viton®**

4735L3-005C	1/2	1	12	239	309.38
4735L3-007C	3/4	1	8	239	338.50
4735L3-010C	1	1	8	239	384.57
4735L3-012C	1-1/4	1	8	239	450.89
4735L3-015C	1-1/2	1	8	239	473.95
4735L3-020C	2	1	4	239	571.37

**CPVC True Union 2000 Industrial
3-Way Vertical Ball Valves
JIS SOC with L1 Port EPDM**

4728L3-005C	16 DN	1	12	239	296.97
4728L3-007C	20 DN	1	8	239	322.87
4728L3-010C	25 DN	1	8	239	360.54
4728L3-012C	30 DN	1	8	239	404.98
4728L3-015C	40 DN	1	8	239	445.32
4728L3-020C	50 DN	1	4	239	512.63

**CPVC True Union 2000 Industrial
3-Way Vertical Ball Valves
JIS SOC with L3 Port Viton®**

4738L3-005C	16 DN	1	12	239	309.38
4738L3-007C	20 DN	1	8	239	338.50
4738L3-010C	25 DN	1	8	239	384.57
4738L3-012C	30 DN	1	8	239	450.89
4738L3-015C	40 DN	1	8	239	473.95
4738L3-020C	50 DN	1	4	239	571.37

PVC & CPVC Metric Fittings, Unions & Valves



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves DIN SOC with T1 Port EPDM

4724T1-005C	20 d	1	12	239	149.09
4724T1-007C	25 d	1	8	239	174.94
4724T1-010C	32 d	1	8	239	208.23
4724T1-012C	40 d	1	8	239	257.21
4724T1-015C	50 d	1	8	239	297.35
4724T1-020C	63 d	1	4	239	364.84

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves JIS SOC with T1 Port EPDM

4728T1-005C	16 DN	1	12	239	149.09
4728T1-007C	20 DN	1	8	239	174.94
4728T1-010C	25 DN	1	8	239	212.62
4728T1-012C	30 DN	1	8	239	257.21
4728T1-015C	40 DN	1	8	239	297.35
4728T1-020C	50 DN	1	4	239	364.84

CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves DIN SOC with T1 Port Viton®

4734T1-005C	20 d	1	12	239	161.43
4734T1-007C	25 d	1	8	239	205.87
4734T1-010C	32 d	1	8	239	236.81
4734T1-012C	40 d	1	8	239	303.12
4734T1-015C	50 d	1	8	239	325.99
4734T1-020C	63 d	1	4	239	423.57

CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves JIS SOC with T1 Port Viton®

4738T1-005C	16 DN	1	12	239	161.43
4738T1-007C	20 DN	1	8	239	190.57
4738T1-010C	25 DN	1	8	239	236.81
4738T1-012C	30 DN	1	8	239	303.12
4738T1-015C	40 DN	1	8	239	325.99
4738T1-020C	50 DN	1	4	239	423.57

CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves BSP Threaded with T1 Port EPDM

4725T1-005C	1/2	1	12	239	149.09
4725T1-007C	3/4	1	8	239	174.94
4725T1-010C	1	1	8	239	212.62
4725T1-012C	1-1/4	1	8	239	257.21
4725T1-015C	1-1/2	1	8	239	297.35
4725T1-020C	2	1	4	239	364.84

CPVC True Union 2000 Industrial 3-Way Vertical Ball Valves BSP Threaded with T1 Port Viton®

4735T1-005C	1/2	1	12	239	161.43
4735T1-007C	3/4	1	8	239	190.57
4735T1-010C	1	1	8	239	236.81
4735T1-012C	1-1/4	1	8	239	298.76
4735T1-015C	1-1/2	1	8	239	325.99
4735T1-020C	2	1	4	239	423.57



PVC & CPVC Metric Fittings, Unions & Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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PVC & CPVC TRUE UNION 2000 BALL CHECK VALVES



Pressure Rating @ 73°F (23°C), Water
1/2" - 2" PN 16

Maximum Service Temperature

PVC = 140°F (60°C)
CPVC = 200°F (93°C)

Pressure Deratings Apply

Rated for Vacuum Service

All Valves assembled with Silicone-Free,
Water Soluble Lubricant

Contact Spears® for Pricing on
Additional Specialty Valves Available

Not For Use With Compressed Air or Gas

PVC True Union 2000 Ball Check Valves DIN SOC EPDM

4524-005	20 d	1	18	228	53.54
4524-007	25 d	1	18	228	63.84
4524-010	32 d	1	18	228	75.93
4524-012	40 d	1	12	228	110.88
4524-015	50 d	1	8	228	127.35
4524-020	63 d	1	8	228	173.87

PVC True Union 2000 Ball Check Valves DIN SOC Viton®

4534-005	20 d	1	18	228	60.34
4534-007	25 d	1	18	228	67.38
4534-010	32 d	1	18	228	84.64
4534-012	40 d	1	12	228	124.45
4534-015	50 d	1	8	228	141.34
4534-020	63 d	1	8	228	193.33

PVC True Union 2000 Ball Check Valves BSP Threaded EPDM

4525-005	1/2	1	18	228	53.54
4525-007	3/4	1	18	228	63.84
4525-010	1	1	18	228	75.93
4525-012	1-1/4	1	12	228	110.88
4525-015	1-1/2	1	8	228	127.35
4525-020	2	1	8	228	173.87

PVC True Union 2000 Ball Check Valves BSP Threaded Viton®

4535-005	1/2	1	18	228	60.34
4535-007	3/4	1	18	228	67.38
4535-010	1	1	18	228	84.64
4535-012	1-1/4	1	12	228	124.45
4535-015	1-1/2	1	8	228	141.34
4535-020	2	1	8	228	193.33

PVC & CPVC Metric Fittings, Unions & Valves



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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PVC True Union 2000 Ball Check Valves JIS SOC EPDM

4528-005	16 DN	1	18	228	53.54
4528-007	20 DN	1	18	228	63.84
4528-010	25 DN	1	18	228	75.93
4528-012	30 DN	1	12	228	110.88
4528-015	40 DN	1	8	228	127.35
4528-020	50 DN	1	8	228	173.87

PVC True Union 2000 Ball Check Valves JIS SOC Viton®

4538-005	16 DN	1	18	228	60.34
4538-007	20 DN	1	18	228	67.38
4538-010	25 DN	1	18	228	84.64
4538-012	30 DN	1	12	228	124.45
4538-015	40 DN	1	8	228	141.34
4538-020	50 DN	1	8	228	193.33

CPVC True Union 2000 Ball Check Valves DIN SOC EPDM

4524-005C	20 d	1	18	229	79.14
4524-007C	25 d	1	18	229	94.72
4524-010C	32 d	1	18	229	111.77
4524-012C	40 d	1	12	229	192.50
4524-015C	50 d	1	8	229	192.50
4524-020C	63 d	1	8	229	257.12

CPVC True Union 2000 Ball Check Valves DIN SOC Viton®

4534-005C	20 d	1	18	229	88.10
4534-007C	25 d	1	18	229	105.27
4534-010C	32 d	1	18	229	124.17
4534-012C	40 d	1	12	229	213.69
4534-015C	50 d	1	8	229	213.69
4534-020C	63 d	1	8	229	286.48

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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CPVC True Union 2000 Ball Check Valves BSP Threaded EPDM

4525-005C	1/2	1	18	229	79.14
4525-007C	3/4	1	18	229	94.72
4525-010C	1	1	18	229	111.77
4525-012C	1-1/4	1	12	229	192.50
4525-015C	1-1/2	1	8	229	192.50
4525-020C	2	1	8	229	257.12

CPVC True Union 2000 Ball Check Valves BSP Threaded Viton®

4535-005C	1/2	1	18	229	88.10
4535-007C	3/4	1	18	229	105.27
4535-010C	1	1	18	229	124.17
4535-012C	1-1/4	1	12	229	213.69
4535-015C	1-1/2	1	8	229	213.69
4535-020C	2	1	8	229	286.48

CPVC True Union 2000 Ball Check Valves JIS SOC EPDM

4528-005C	16 DN	1	18	229	79.14
4528-007C	20 DN	1	18	229	94.72
4528-010C	25 DN	1	18	229	111.77
4528-012C	30 DN	1	12	229	192.50
4528-015C	40 DN	1	8	229	192.50
4528-020C	50 DN	1	8	229	257.12

CPVC True Union 2000 Ball Check Valves JIS SOC Viton®

4538-005C	16 DN	1	18	229	88.10
4538-007C	20 DN	1	18	229	105.27
4538-010C	25 DN	1	18	229	124.17
4538-012C	30 DN	1	12	229	213.69
4538-015C	40 DN	1	8	229	213.69
4538-020C	50 DN	1	8	229	286.48



PVC & CPVC Metric Fittings, Unions & Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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PVC & CPVC GATE VALVES



Pressure Rating @ 73°F (23°C), Water
1/2" - 2" PN 16

Maximum Service
Temperature

PVC = 140°F (60°C)
CPVC = 200°F (93°C)

Pressure Deratings Apply

All Valves assembled with Silicone-Free,
Water Soluble Lubricant

Not For Use With Compressed Air or Gas

PVC Gate Valves DIN SOC Buna-N

2014-005	20 d	12	0	208	22.98
2014-007	25 d	12	0	208	28.10
2014-010	32 d	12	0	208	33.31
2014-012	40 d	6	0	208	46.06
2014-015	50 d	6	0	208	58.77
2014-020	63 d	6	0	208	75.48

PVC Gate Valves DIN SOC EPDM

2024-005	20 d	12	0	208	25.22
2024-007	25 d	12	0	208	30.93
2024-010	32 d	12	0	208	36.68
2024-012	40 d	6	0	208	50.68
2024-015	50 d	6	0	208	65.29
2024-020	63 d	6	0	208	83.10

PVC Gate Valves DIN SOC Viton®

2034-005	20 d	12	0	208	27.78
2034-007	25 d	12	0	208	32.56
2034-010	32 d	12	0	208	40.38
2034-012	40 d	6	0	208	55.72
2034-015	50 d	6	0	208	71.10
2034-020	63 d	6	0	208	91.35

PVC Gate Valves BSP Threaded Buna-N

2015-005	1/2	12	0	208	22.98
2015-007	3/4	12	0	208	28.10
2015-010	1	12	0	208	33.31
2015-012	1-1/4	6	0	208	46.06
2015-015	1-1/2	6	0	208	58.77
2015-020	2	6	0	208	75.48

PVC & CPVC Metric Fittings, Unions & Valves



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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PVC Gate Valves BSP Threaded EPDM

2025-005	1/2	12	0	208	25.22
2025-007	3/4	12	0	208	30.93
2025-010	1	12	0	208	36.68
2025-012	1-1/4	6	0	208	50.68
2025-015	1-1/2	6	0	208	65.29
2025-020	2	6	0	208	83.10

PVC Gate Valves BSP Threaded Viton®

2035-005	1/2	12	0	208	27.78
2035-007	3/4	12	0	208	32.56
2035-010	1	12	0	208	40.38
2035-012	1-1/4	6	0	208	55.72
2035-015	1-1/2	6	0	208	71.10
2035-020	2	6	0	208	91.35

CPVC Gate Valves DIN SOC EPDM

2024-005C	20 d	12	0	209	74.70
2024-007C	25 d	12	0	209	80.79
2024-010C	32 d	12	0	209	88.59
2024-012C	40 d	6	0	209	155.60
2024-015C	50 d	6	0	209	170.53
2024-020C	63 d	6	0	209	196.71

CPVC Gate Valves DIN SOC Viton®

2034-005C	20 d	12	0	209	82.21
2034-007C	25 d	12	0	209	88.88
2034-010C	32 d	12	0	209	97.41
2034-012C	40 d	6	0	209	171.16
2034-015C	50 d	6	0	209	187.60
2034-020C	63 d	6	0	209	216.38

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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CPVC Gate Valves BSP Threaded EPDM

2025-005C	1/2	12	0	209	74.70
2025-007C	3/4	12	0	209	80.79
2025-010C	1	12	0	209	88.59
2025-012C	1-1/4	6	0	209	155.60
2025-015C	1-1/2	6	0	209	170.53
2025-020C	2	6	0	209	196.71

CPVC Gate Valves BSP Threaded Viton®

2035-005C	1/2	12	0	209	82.21
2035-007C	3/4	12	0	209	88.88
2035-010C	1	12	0	209	97.41
2035-012C	1-1/4	6	0	209	171.16
2035-015C	1-1/2	6	0	209	187.60
2035-020C	2	6	0	209	216.38



PVC & CPVC Metric Fittings, Unions & Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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PVC & CPVC TRUE UNION 2000 DIAPHRAGM VALVES

PVC True Union 2000 Diaphragm Valves DIN SOC EPDM

2724-005	20 d	1	12	274	131.26
2724-007	25 d	1	8	274	148.98
2724-010	32 d	1	8	274	183.61
2724-012	40 d	1	4	274	274.85
2724-015	50 d	1	4	274	288.90
2724-020	63 d	1	0	274	341.79



PVC True Union 2000 Diaphragm Valves DIN SOC Viton®

2734-005	20 d	1	12	274	145.84
2734-007	25 d	1	8	274	165.55
2734-010	32 d	1	8	274	201.76
2734-012	40 d	1	4	274	326.80
2734-015	50 d	1	4	274	334.33
2734-020	63 d	1	0	274	405.04

PVC True Union 2000 Diaphragm Valves BSP Threaded EPDM

2725-005	1/2	1	12	274	131.26
2725-007	3/4	1	8	274	148.98
2725-010	1	1	8	274	171.37
2725-012	1-1/4	1	4	274	274.85
2725-015	1-1/2	1	4	274	288.90
2725-020	2	1	0	274	341.79

PVC True Union 2000 Diaphragm Valves BSP Threaded Viton®

2735-005	1/2	1	12	274	145.84
2735-007	3/4	1	8	274	165.55
2735-010	1	1	8	274	201.76
2735-012	1-1/4	1	4	274	326.80
2735-015	1-1/2	1	4	274	334.33
2735-020	2	1	0	274	405.04

Pressure Rating @ 73°F (23°C), Water
1/2" - 2" PN 16

Maximum Service
Temperature

PVC = 140°F (60°C)
CPVC = 200°F (93°C)

Pressure Deratings Apply

No Lubricants in Media Contact Area

Not For Use With Compressed Air or Gas

PVC & CPVC Metric Fittings, Unions & Valves



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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PVC True Union 2000 Diaphragm Valves JIS SOC EPDM

2728-005	16 DN	1	12	274	131.26
2728-007	20 DN	1	8	274	148.98
2728-010	25 DN	1	8	274	183.61
2728-012	32 DN	1	4	274	274.85
2728-015	40 DN	1	4	274	288.90
2728-020	50 DN	1	0	274	341.79

PVC True Union 2000 Diaphragm Valves JIS SOC Viton®

2738-005	16 DN	1	12	274	145.84
2738-007	20 DN	1	8	274	165.55
2738-010	25 DN	1	8	274	201.76
2738-012	32 DN	1	4	274	326.80
2738-015	40 DN	1	4	274	334.33
2738-020	50 DN	1	0	274	405.04

CPVC True Union 2000 Diaphragm Valves DIN SOC EPDM

2724-005C	20 d	1	12	276	232.39
2724-007C	25 d	1	8	276	258.64
2724-010C	32 d	1	8	276	298.51
2724-012C	40 d	1	4	276	448.36
2724-015C	50 d	1	4	276	461.63
2724-020C	63 d	1	0	276	491.70

CPVC True Union 2000 Diaphragm Valves DIN SOC Viton®

2734-005C	20 d	1	12	276	297.83
2734-007C	25 d	1	8	276	317.54
2734-010C	32 d	1	8	276	386.12
2734-012C	40 d	1	4	276	533.47
2734-015C	50 d	1	4	276	539.96
2734-020C	63 d	1	0	276	616.34

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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CPVC True Union 2000 Diaphragm Valves BSP Threaded EPDM

2725-005C	1/2	1	12	276	232.39
2725-007C	3/4	1	8	276	258.64
2725-010C	1	1	8	276	298.51
2725-012C	1-1/4	1	4	276	448.36
2725-015C	1-1/2	1	4	276	461.63
2725-020C	2	1	0	276	491.70

CPVC True Union 2000 Diaphragm Valves BSP Threaded Viton®

2735-005C	1/2	1	12	276	297.83
2735-007C	3/4	1	8	276	317.54
2735-010C	1	1	8	276	386.12
2735-012C	1-1/4	1	4	276	533.47
2735-015C	1-1/2	1	4	276	539.96
2735-020C	2	1	0	276	616.34

CPVC True Union 2000 Diaphragm Valves JIS SOC EPDM

2728-005C	16 DN	1	12	276	232.39
2728-007C	20 DN	1	8	276	258.64
2728-010C	25 DN	1	8	276	298.51
2728-012C	32 DN	1	4	276	448.36
2728-015C	40 DN	1	4	276	461.63
2728-020C	50 DN	1	0	276	491.70

CPVC True Union 2000 Diaphragm Valves JIS SOC Viton®

2738-005C	16 DN	1	12	276	297.83
2738-007C	20 DN	1	8	276	317.54
2738-010C	25 DN	1	8	276	386.12
2738-012C	32 DN	1	4	276	533.47
2738-015C	40 DN	1	4	276	540.04
2738-020C	50 DN	1	0	276	616.34

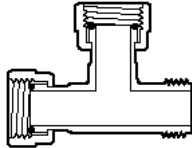


PVC & CPVC Metric Fittings, Unions & Valves

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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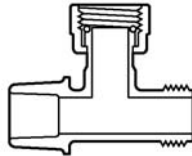
PVC IRRIGATION MANIFOLD SYSTEMS

Manifold Tee
Swivel x MBSP x Swivel with O-ring Seal



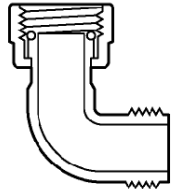
MA0101-010BT	1	25	0	019	9.41
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PVC Manifold Tee
Soc (Spig) x MBSP x Swivel with O-ring Seal For Solvent Cement Connection



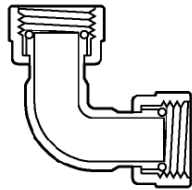
MA0109-010BT	1	25	0	019	8.37
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Manifold 90° Street Ell
MBSP x Swivel with O-ring Seal



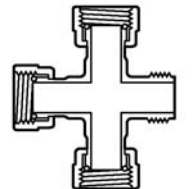
MA0602-010BT	1	25	0	019	8.04
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Manifold 90° Ell
Swivel x Swivel with O-ring Seal



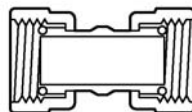
MA0603-010	1	20	0	019	8.87
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Manifold Cross
Swivel x MBSP x Swivel x Swivel with O-ring Seal



MA2004-010BT	1	25	0	019	12.49
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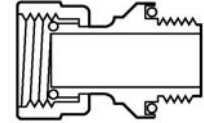
Manifold Coupling
Swivel x Swivel with O-ring Seal



MA2903-010	1	25	200	019	6.66
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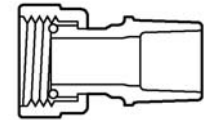
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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Manifold Coupling
Swivel x MBSP with O-ring Seal



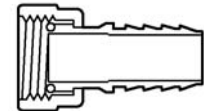
MA2907-010BT	1	25	200	019	4.86
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PVC Manifold Coupling
Swivel x Soc (Spig) with O-ring Seal For Solvent Cement Connection



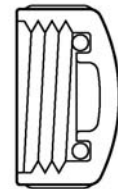
MA2908-010	1 (1-1/4)	25	0	019	4.86
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Manifold Insert Coupling
Swivel x Barbed Insert with O-ring Seal



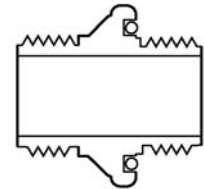
MA3505-010	1	25	200	019	5.16
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Manifold Cap
with O-ring Seal



MA4800-010	1	50	600	019	2.03
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Manifold Nipple
MBSP x MBSP with O-ring Seal



MA8306-010BT	1	25	200	019	2.18
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Manifold Replacement O-ring



MA-214		50	500	901	.47
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Manifold Replacement O-ring

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The Spears® Quality Policy

It is the policy and objective of Spears® Manufacturing Company to produce a superior quality product suitable for its intended use, with regard to functionality, structural integrity, and conformance to established industry standards and practices. It is the commitment of this Company to do so in a manner which provides consistency of product quality, optimum availability, and superior customer service, while maintaining efficiency of operations and profitability necessary to perpetuate product improvement and customer satisfaction. Furthermore, it is recognized that the attainment of these objectives is the responsibility of all Company operations and personnel according to their respective functions.



SPEARS® MANUFACTURING COMPANY • CORPORATE OFFICE

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SOUTHEAST

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