

Autoclave Engineers

Fluid Components
Division of Snap-tite, Inc.

Valves, Fittings & Tubing Selector Chart

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CONNECTION STYLES

Low Pressure	Medium Pressure	High Pressure	High Pressure
Pressure Rating psi (bar) - To 15,000 (1034) Connection Size (Inches) - 1/8" To 1/2"	Pressure Rating psi (bar) - To 20,000 (1379) Connection Size (Inches) - 1/4" To 1/2"	Pressure Rating psi (bar) - To 45,000 (2965) Connection Size (Inches) - 1/4" To 1/2"	Pressure Rating psi (bar) - To 60,000 (4137) Connection Size (Inches) - 1/4" To 1/2"
Connection Style - Single ferrule compression sleeve type for fast, easy make-up.	Connection Style - Coned-and-threaded type for high strength and repeated make-up. Anti-vibration collet gland available. In line collar and gland to minimize block thickness.	Connection Style - Coned-and-threaded type for high strength and repeated make-up. Anti-vibration collet gland available. Nested collar and gland to minimize block width.	Connection Style - Coned-and-threaded type for high strength and repeated make-up. Anti-vibration collet gland available. Nested collar and gland to minimize block width.

VALVES

O.D. Tube Size (In.)	Connection Type	Pressure Rating psi (bar)	Valve Stem Type	2-Way Straight	2-Way Angle	3-Way On Pressure	3-Way On Pressure	2-Placeable Seat	3-Way Manifold
1/8"	W125	11,000 (758)	Reg	10V2071	10V2072	10V2073	10V2074	10V2872	10V2075
1/4"	W250	11,500 (793)	Reg	10V2081	10V2082	10V2083	10V2084	10V2882	10V2085
3/8"	W375	10,000 (690)	Reg	10V4071	10V4072	10V4073	10V4074	10V4872	10V4075
1/2"	SW500	5,500 (379)	Reg	10V4081	10V4082	10V4083	10V4084	10V4882	10V4085
1/4"	SW250	11,500 (793)	Reg	10V8071	10V8072	10V8073	10V8074	10V8872	10V8075
3/8"	SW375	10,000 (690)	Reg	10V8081	10V8082	10V8083	10V8084	10V8882	10V8085
1/2"	SW500	5,500 (379)	Reg	10V8091	10V8092	10V8093	10V8094	10V8892	10V8095
1/4"	SW250CX	20,000 (1379)	Reg	20SM4071	20SM4072	20SM4073	20SM4074	20SM4872	20SM4075
3/8"	SW375CX	20,000 (1379)	Reg	20SM4081	20SM4082	20SM4083	20SM4084	20SM4882	20SM4085
1/2"	SW500CX	20,000 (1379)	Reg	20SM4091	20SM4092	20SM4093	20SM4094	20SM4892	20SM4095
3/4"	SW750CX	20,000 (1379)	Reg	20SM4101	20SM4102	20SM4103	20SM4104	20SM48102	20SM4105
1"	SW1000CX	20,000 (1379)	Reg	20SM4111	20SM4112	20SM4113	20SM4114	20SM48112	20SM4115
1/2"	SW500CX	5,500 (379)	Reg	20SM6071	20SM6072	20SM6073	20SM6074	20SM6872	20SM6075
3/4"	SW750CX	20,000 (1379)	Reg	20SM6081	20SM6082	20SM6083	20SM6084	20SM6882	20SM6085
1"	SW1000CX	20,000 (1379)	Reg	20SM6091	20SM6092	20SM6093	20SM6094	20SM6892	20SM6095
1/4"	F250C	60,000 (4137)	Reg	10SM1201	10SM1202	10SM1203	10SM1204	10SM1282	10SM1205
3/8"	F375C	30,000 (2068)	Reg	10SM1211	10SM1212	10SM1213	10SM1214	10SM1292	10SM1215
1/2"	F562C	30,000 (2068)	Reg	10SM1221	10SM1222	10SM1223	10SM1224	10SM1302	10SM1225
3/8"	F375C	30,000 (2068)	Reg	10SM1231	10SM1232	10SM1233	10SM1234	10SM1312	10SM1235
1/2"	F562C	30,000 (2068)	Reg	10SM1241	10SM1242	10SM1243	10SM1244	10SM1322	10SM1245
3/8"	F375C	30,000 (2068)	Reg	10SM1251	10SM1252	10SM1253	10SM1254	10SM1332	10SM1255
1/2"	F562C	30,000 (2068)	Reg	10SM1261	10SM1262	10SM1263	10SM1264	10SM1342	10SM1265
1"	SW1000CX30	30,000 (2068)	Reg	30SC1601	30SC1602	30SC1603	30SC1604	30SC1682	30SC1605
1/4"	F250C	30,000 (2068)	Reg	30VM4071	30VM4072	30VM4073	30VM4074	30VM4872	30VM4075
3/8"	F375C	30,000 (2068)	Reg	30VM4081	30VM4082	30VM4083	30VM4084	30VM4882	30VM4085
1/2"	F562C	30,000 (2068)	Reg	30VM4091	30VM4092	30VM4093	30VM4094	30VM4892	30VM4095
3/8"	F375C	30,000 (2068)	Reg	30VM4101	30VM4102	30VM4103	30VM4104	30VM4902	30VM4105
1/2"	F562C	30,000 (2068)	Reg	30VM4111	30VM4112	30VM4113	30VM4114	30VM4912	30VM4115
3/8"	F375C	30,000 (2068)	Reg	30VM4121	30VM4122	30VM4123	30VM4124	30VM4922	30VM4125
1/2"	F562C	30,000 (2068)	Reg	30VM4131	30VM4132	30VM4133	30VM4134	30VM4932	30VM4135
1"	SW1000CX	30,000 (2068)	Reg	30VM4141	30VM4142	30VM4143	30VM4144	30VM4942	30VM4145
1/4"	F250C	60,000 (4137)	Reg	60VM9071	60VM9072	60VM9073	60VM9074	60VM9872	60VM9075
3/8"	F375C	30,000 (2068)	Reg	60VM9081	60VM9082	60VM9083	60VM9084	60VM9882	60VM9085
1/2"	F562C	30,000 (2068)	Reg	60VM9091	60VM9092	60VM9093	60VM9094	60VM9892	60VM9095
3/8"	F375C	30,000 (2068)	Reg	60VM9101	60VM9102	60VM9103	60VM9104	60VM9902	60VM9105
1/2"	F562C	30,000 (2068)	Reg	60VM9111	60VM9112	60VM9113	60VM9114	60VM9912	60VM9115

CONNECTION COMPONENTS

O.D. Tube Size (In.)	Connection Type	Pressure Rating psi (bar)	Gland	Sleeve	Collar	Plug	O-Ring	Ball	Ball-Type Excess Flow	Dual Disc	Cup-Type	Safety Heads
1/8"	W125	11,000 (758)	SMN20	SSL20	-	SP20	SWR2200	SWR2200	SWK2202	SLF2200	-	SS2600
1/4"	W250	11,500 (793)	SMN40	SSL40	-	SP40	SWR4400	SWR4400	SWK4402	SLF4400	-	SS4600
3/8"	W375	10,000 (690)	SMN60	SSL60	-	SP60	SWR6600	SWR6600	SWK6602	SLF6600	-	SS6600
1/2"	SW500	5,500 (379)	SMN80	SSL80	-	SP80	SWR8800	SWR8800	SWK8802	SLF8800	-	SS8600
1/4"	SW250CX	20,000 (1379)	CGLX40	-	CCLX40	CPX40	CXK4400	CXK4400	CXK4402	-	CXF4	CSX4600
3/8"	SW375CX	20,000 (1379)	CGLX60	-	CCLX60	CPX60	CXK6600	CXK6600	CXK6602	-	CXF6	CSX6600
1/2"	SW500CX	20,000 (1379)	CGLX80	-	CCLX80	CPX80	CXK8800	CXK8800	CXK8802	-	CXF8	CSX8600
3/4"	SW750CX	20,000 (1379)	CGLX120	-	CCLX120	CPX120	CXK1200	CXK1200	CXK1202	-	CXF12	CSX12600
1"	SW1000CX	20,000 (1379)	CGLX160	-	CCLX160	CPX160	CXK1600	CXK1600	CXK1602	-	CXF16	CSX16600
1/4"	SW250CX	43,000 (2965)	CGLX160	-	CCLX160	CPX160	CXK1600	CXK1600	CXK1602	-	CXF16	CSX16600
3/8"	F250C	60,000 (4137)	ACL90	-	ACL90	AP90	CXK9900	CXK9900	CXK9902	-	CXF9	CSX9600
1/2"	F562C	60,000 (4137)	ACL90	-	ACL90	AP90	CXK9900	CXK9900	CXK9902	-	CXF9	CSX9600
3/8"	F375C	30,000 (2068)	ACL90	-	ACL90	AP90	CXK9900	CXK9900	CXK9902	-	CXF9	CSX9600
1/2"	F562C	30,000 (2068)	ACL90	-	ACL90	AP90	CXK9900	CXK9900	CXK9902	-	CXF9	CSX9600

FITTINGS

O.D. Tube Size (In.)	Connection Type	Pressure Rating psi (bar)	Elbow	Tee	Cross	Straight Coupling	Union Coupling	Bulkhead Coupling
1/8"	W125	11,000 (758)	SL2200	ST2220	SK2222	15F2211	-	15B2211
1/4"	W250	11,500 (793)	SL4400	ST4440	SK4444	15F4422	-	15B4422
3/8"	W375	10,000 (690)	SL6600	ST6660	SK6666	15F6622	-	15B6622
1/2"	SW500	5,500 (379)	SL8800	ST8880	SK8888	15F8822	-	15B8822
1/4"	SW250CX	20,000 (1379)	CLX4400	CTX4440	CXK4444	20FX4466	20FX4466	20FX4466
3/8"	SW375CX	20,000 (1379)	CLX6600	CTX6660	CXK6666	20FX6666	20FX6666	20FX6666
1/2"	SW500CX	20,000 (1379)	CLX8800	CTX8880	CXK8888	20FX8888	20FX8888	20FX8888
3/4"	SW750CX	20,000 (1379)	CLX1200	CTX1200	CXK1200	20FX1200	20FX1200	20FX1200
1"	SW1000CX	20,000 (1379)	CLX1600	CTX1600	CXK1600	20FX1600	20FX1600	20FX1600
1/4"	SW250CX	43,000 (2965)	43CLX16	43CTX16	43CXK16	43FX16	43FX16	43FX16
3/8"	F250C	60,000 (4137)	CL4400	CT4440	CX4444	60FX4433	60FX4433	60FX4433
1/2"	F562C	60,000 (4137)	CL6600	CT6660	CX6666	60FX6633	60FX6633	60FX6633
3/8"	F375C	30,000 (2068)	CL9900	CT9990	CX9999	60FX9933	60FX9933	60FX9933
1/2"	F562C	30,000 (2068)	CL9900	CT9990	CX9999	60FX9933	60FX9933	60FX9933

ADAPTERS

Female End	AE Low Pressure					AE Medium Pressure					AE High Pressure					Female NPT					
	1/8" W125	1/4" SW250	3/8" SW375	1/2" SW500	1/4" SF250CX	3/8" SF375CX	1/2" SF562CX	3/4" SF750CX	1" SF1000CX	1" SF1000CX43	1/4" F250C	3/8" F375C	1/2" F562C	3/4" F750C	1" F1000CX	1/8" NPT	1/4" NPT	3/8" NPT	1/2" NPT	3/4" NPT	1" NPT
1/8"	W125	11,000 (758)	11,500 (793)	10,000 (690)	5,500 (379)	20,000 (1379)	20,000 (1379)	20,000 (1379)	20,000 (1379)	20,000 (1379)	60,000 (4137)	150,000 (10342)	60,000 (4137)	60,000 (4137)	40,000 (2758)	10,000 (690)	10,000 (690)	10,000 (690)	10,000 (690)	10,000 (690)	10,000 (690)
1/4"	W250	11,500 (793)	11,500 (793)	10,000 (690)	5,500 (379)	20,000 (1379)	20,000 (1379)	20,000 (1379)	20,000 (1379)	60,000 (4137)	150,000 (10342)	60,000 (4137)	60,000 (4137)	40,000 (2758)	10,000 (690)	10,000 (690)	10,000 (690)	10,000 (690)	10,000 (690)	10,000 (690)	
3/8"	W375	10,000 (690)	10,000 (690)	10,000 (690)	5,500 (379)	20,000 (1379)	20,000 (1379)	20,000 (1379)	20,000 (1379)	60,000 (4137)	150,000 (10342)	60,000 (4137)	60,000 (4137)	40,000 (2758)	10,000 (690)	10,000 (690)	10,000 (690)	10,000 (690)	10,000 (690)	10,000 (690)	
1/2"	SW500	5,500 (379)	5,500 (379)	5,500 (379)	5,500 (379)	20,000 (1379)	20,000 (1379)	20,000 (1379)	20,000 (1379)	60,000 (4137)	150,000 (10342)	60,000 (4137)	60,000 (4137)	40,000 (2758)	10,000 (690)	10,000 (690)	10,000 (690)	10,000 (690)	10,000 (690)	10,000 (690)	
1/4"	SW250CX	20,000 (1379)	20,000 (1379)	20,000 (1379)	20,000 (1379)	20,000 (1379)	20,000 (1379)	20,000 (1379)	20,000 (1379)	60,000 (4137)	150,000 (10342)	60,000 (4137)	60,000 (4137)	40,000 (2758)	10,000 (690)	10,000 (690)	10,000 (690)	10,000 (690)	10,000 (690)	10,000 (690)	
3/8"	SW375CX	20,000 (1379)	20,000 (1379)	20,000 (1379)	20,000 (1379)	20,000 (1379)	20,000 (1379)	20,000 (1379)	20,000 (1379)	60,000 (4137)	150,000 (10342)	60,000 (4137)	60,000 (4137)	40,000 (2758)	10,000 (690)	10,000 (690)	10,000 (690)	10,000 (690)	10,000 (690)	10,000 (690)	
1/2"	SW500CX	20,000 (1379)	20,000 (1379)	20,000 (1379)	20,000 (1379)	20,000 (1379)	20,000 (1379)	20,000 (1379)	20,000 (1379)	60,000 (4137)	150,000 (10342)	60,000 (4137)	60,000 (4137)	40,000 (2758)	10,000 (690)	10,000 (690)	10,000 (690)	10,000 (690)	10,000 (690)	10,000 (690)	
3/4"	SW750CX	20,000 (1379)	20,000 (1379)	20,000 (1379)	20,000 (1379)	20,000 (137															