

Style and Media	Port Connector	Pressure Range (PSI)	Temp. (°F)	Body Material	Valve Type Number	Page Number
<b>2/2 Way Solenoids</b>						
Water, Neutral Liquids and Gases	Sub-base	0 - 170	14 - 212	Brass	6011	1-41
Water, Neutral Liquids and Gases	Sub-base	0 - 145	14 - 212	Brass	6013	1-49
Water, Neutral Liquids and Gases	1/8", UNF	0 - 170	14 - 212	Brass	6011	1-45
Aggressive Fluids	1/8", UNF	0 - 170	14 - 212	Stainless	6011	1-45
Water, Neutral Liquids and Gases	1/8" - 1/4"	0 - 355	14 - 212	Brass	6013	1-49
Water, Neutral Liquids and Gases	1/8" - 1/4"	0 - 355	14 - 212	Stainless	6013	1-49
Water, Neutral Liquids and Gases	1/4"	0 - 230	14 - 356	Brass	6013	1-49
Aggressive Fluids	1/4"	0 - 170	14 - 194	Brass	330/331	1-1
Aggressive Fluids	1/4"	0 - 170	14 - 194	Stainless	330/331	1-1
Water, Neutral Liquids and Gases	1/4" - 1"	7 - 145	14 - 158	Brass	6211	1-75
Water, Neutral Liquids and Gases	1/4" - 1"	0 - 145	14 - 194	Stainless	6213	1-87
Water, Neutral Liquids and Gases	1/4" - 2"	0 - 145	14 - 194	Brass	6213	1-87
Hot Water, Hot Oil	1/4" - 2"	0 - 145	(-22) - 250	Brass	6213	1-93
High Temperature Liquids and Steam	3/8" - 1"	0 - 145	32 - 356	Brass	6038	1-65
Water, Neutral Liquids and Gases	3/8"	0 - 230	32 - 158	Brass	6041	1-69
Aggressive Fluids	3/8" - 1"	2.8 - 145	32 - 160	Stainless	6212	1-79
Water, Neutral Liquids and Gases	3/8" - 1/2"	7 - 140	32 - 122	PVC	6228	1-113
Aggressive Fluids	3/8" - 1/2"	7 - 085	32 - 122	PVC	6642	1-117
Air, Gases	3/8" - 3/4"	7 - 140	14 - 194	Brass	6221	1-97
High Temperature Liquids and Steam	1/2" - 1 1/2"	0 - 145	32 - 356	Brass	407	1-15
Water, Neutral Liquids and Gases	1/2" - 1"	2.8 - 145	32 - 160	Brass	6212	1-97
Air, Gases	1/2" - 1"	14 - 700	14 - 194	Brass	5404	1-37
Water, Neutral Liquids and Gases	1/2" - 2"	2.8 - 230	14 - 194	Brass	5281	1-29
Water, Neutral Liquids and Gases	1/2" - 2"	2.8 - 145	32 - 194	Brass	5282	1-33
Aggressive Fluids	1/2" - 2"	2.8 - 145	32 - 194	Stainless	5282	1-33
<b>3/2 Way Solenoids</b>						
Water, Neutral Liquids and Gases	Sub-base	0 - 230	14 - 212	Brass	6014	2-45
Water, Neutral Liquids and Gases	1/8"	0 - 145	14 - 212	Brass	6012	2-41
Water, Neutral Liquids and Gases	1/8" - 1/4"	0 - 230	14 - 212	Brass	6014	2-45
Aggressive Fluids	1/8" - 1/4"	0 - 230	14 - 212	Stainless	6014	2-45
Water, Neutral Liquids and Gases	1/4"	0 - 170	14 - 194	Brass	330/331	1-1
Aggressive Fluids	1/4"	0 - 170	14 - 194	Stainless	330/331	1-1
High Temperature Liquids and Steam	1/4"	0 - 145	(-40) - 356	Brass	355	1-11
Water, Neutral Liquids and Gases	3/8"	0 - 230	32 - 158	Brass	6041	1-67

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 Fluid Control Systems

# Valve Selection Guide

Style and Media	Port Connector	Pressure Range (PSI)	Temp. (°F)	Body Material	Valve Type Number	Page Number
<b>3/2 Way</b>						
<b>Pilots, Pneumatic Actuation</b>						
Liquids, Gases, Compressed Air	1/8" - 1/4"	0 - 230	14 - 212	Brass	6014	2-45
Neutral Gases, Compressed Air	1/4"	28 - 115	14 - 122	PA	6518	2-77
Neutral Gases, Compressed Air	Banjo 1/4"	0-145	14 - 212	PA	300	3-31
Neutral Gases, Compressed Air	Banjo 1/4"	0 - 145	14 - 212	PA	6012	2-37
Liquids, Gases, Compressed Air	Banjo 1/4"	0 - 145	14 - 212	Brass	6012	2-33
Liquids, Gases, Compressed Air	Banjo 1/4"	0 - 145	14 - 212	Stainless	6012	2-33
Liquids, Gases, Compressed Air	Banjo 1/4"	0 - 145	14 - 212	Brass	6014	2-45
Neutral Gases, Compressed Air	Banjo 1/4"	0 - 85	14 - 212	PA	6014	2-45
Neutral Gases, Compressed Air	Manifold	28 - 145	14 - 130	PA	5470	2-19
Neutral Gases, Compressed Air	Manifold	0 - 100	14 - 130	Custom*	6104	2-53
Neutral Gases, Compressed Air	Manifold	0 - 145	14 - 130	Custom*	6106	2-57
Neutral Gases, Compressed Air	Manifold	36 - 100	14 - 122	PA	6510	2-67
Neutral Gases, Compressed Air	Manifold	28 - 115	14 - 122	PA	6518	2-77
Neutral Gases, Compressed Air	Manifold	35 - 115	30 - 120	PA	8640	2-85
Neutral Gases, Compressed Air	Namur	0 - 145	(-4) - 140	Aluminum	712	2-5
Neutral Gases, Compressed Air	Namur	0 - 145	(-4) - 140	Brass	712	2-5
Neutral Gases, Compressed Air	Namur	0 - 145	(-4) - 140	Stainless	712	2-5
Neutral Gases, Compressed Air	Namur	28 - 145	14 - 130	PA	5470	2-29
Neutral Gases, Compressed Air	Namur	30 - 115	(-14) - 140	PA	6519	2-81
Liquids, Gases, Compressed Air	Sub-Base	0 - 145	14 - 212	Brass	6012	2-33
Liquids, Gases, Compressed Air	Sub-Base	0 - 145	14 - 212	Stainless	6012	2-33
Liquids, Gases, Compressed Air	Sub-base	0 - 230	14 - 212	Brass	6014	2-45
Neutral Gases, Compressed Air	Sub-base	0 - 230	14 - 212	PA	6014	2-45
Neutral Gases, Compressed Air	Sub-base	36 - 100	14 - 122	PA	6510	2-67
<b>Continuous Solenoid Control</b>						
<b>(Proportional)</b>						
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Water, Neutral Liquids, Gases	1/8"	0 - 85	14 - 194	Stainless	6021	1-57
Water, Neutral Liquids, Gases	1/4"	0 - 115	14 - 194	Brass	6022	1-61
Water, Neutral Liquids, Gases	1/4"	0 - 115	14 - 194	Stainless	6022	1-61
Water, Neutral Liquids, Gases	3/8"	0 - 115	14 - 194	Brass	6023	1-61
Water, Neutral Liquids, Gases	3/8"	0 - 115	14 - 194	Stainless	6023	1-61
Water, Neutral Liquids, Gases	3/8" - 1"	7 - 145	14 - 194	Brass	6223	1-101
Water, Neutral Liquids, Gases	3/8" - 1"	7 - 145	14 - 194	Stainless	6223	1-101

# Valve Selection Guide

Style and Media	Port Connector	Pressure Range (PSI)	Temp. (°F)	Body Material	Valve Type Number	Page Number
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## 2/2 Way

### Analytical, Medical, Diagnostic

Aggressive and High Purity Fluids	1/8", UNF	0 - 20	(-14) - 158	ETFE	117	3-1
Aggressive and High Purity Fluids	1/8", UNF	0 - 28	32 - 140	ETFE	127	3-17
Aggressive and High Purity Fluids	1/8", UNF	0 - 28	32 - 140	PVDF	127	3-17
Aggressive and High Purity Fluids	1/8", UNF	vac - 29	32 - 122	Custom*	6605	3-55
Aggressive and High Purity Fluids	1/4" - 3/8"	0 - 58	(-22) - 194	Teflon	121	3-5
Aggressive and High Purity Fluids	1/4" - 3/8"	0 - 58	(-22) - 194	Stainless	121	3-5
Aggressive and High Purity Fluids	1/4"	0 - 170	(-22) - 176	PP	124	3-9
Aggressive and High Purity Fluids	1/4"	0 - 170	(-22) - 176	PVDF	124	3-9
Aggressive and High Purity Fluids	Sub-base	0 - 28	32 - 140	Custom*	127	3-13
Neutral Gases, Compressed Air	Sub-base	0 - 100	14 - 130	Custom*	6103	2-53
Neutral Gases, Compressed Air	Sub-base	0 - 145	14 - 130	Custom*	6105	2-57
Aggressive and High Purity Fluids	Sub-base	vac - 44	14 - 122	Custom*	6123	3-37
Aggressive and High Purity Fluids	Sub-base	vac - 145	14 - 122	Custom*	6125	3-41
Aggressive and High Purity Fluids	Sub-base	vac - 44	32 - 122	Custom*	6603	3-51
Aggressive and High Purity Fluids	Sub-base	vac - 29	32 - 122	Custom*	6605	3-55
Aggressive and High Purity Fluids	Pinch	varies	32 - 194	aluminum	CHSQ-2	3-65

## 3/2 Way

### Analytical, Medical, Diagnostic

Aggressive and High Purity Fluids	1/8", UNF	0 - 28	32 - 140	ETFE	127	3-17
Aggressive and High Purity Fluids	1/8", UNF	0 - 28	32 - 140	PVDF	127	3-17
Aggressive and High Purity Fluids	1/8", UNF	vac - 29	32 - 122	Custom*	6606	3-55
Aggressive and High Purity Fluids	1/4"	0 - 170	(-22) - 176	PP	124	3-9
Aggressive and High Purity Fluids	1/4"	0 - 170	(-22) - 176	PVDF	124	3-9
Aggressive and High Purity Fluids	Manifold	0 - 28	32 - 140	Custom*	127	3-13
Neutral Gases, Compressed Air	Manifold	0 - 100	14 - 130	Custom*	6104	2-53
Neutral Gases, Compressed Air	Manifold	0 - 145	14 - 130	Custom*	6106	2-57
Aggressive and High Purity Fluids	Sub-base	vac - 44	14 - 122	Custom*	6124	2-37
Aggressive and High Purity Fluids	Sub-base	vac - 145	14 - 122	Custom*	6126	3-41
Aggressive and High Purity Fluids	Sub-base	vac - 44	32 - 122	Custom*	6604	3-51
Aggressive and High Purity Fluids	Sub-base	vac - 29	32 - 122	Custom*	6606	3-55
Aggressive and High Purity Fluids	Pinch	varies	32 - 194	aluminum	CHSQ-1	3-63
Aggressive and High Purity Fluids	Pinch	varies	32 - 194	aluminum	CHSQ-2	3-65

# Valve Selection Guide

Style and Media	Port Connector	Pressure Range (PSI)	Temp. (°F)	Body Material	Valve Type Number	Page Number
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<b>Pneumatic Actuation</b>						
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Neutral Gases, Compressed Air	Manifold	28 - 145	14 - 130	PA	5470	2-19
Neutral Gases, Compressed Air	Manifold	0 - 100	14 - 130	Custom*	6104	2-53
Neutral Gases, Compressed Air	Manifold	0 - 145	14 - 130	Custom*	6106	2-57
Neutral Gases, Compressed Air	Manifold	36 - 100	14 - 122	PA	6511	2-67
Neutral Gases, Compressed Air	Manifold	28 - 115	14 - 122	PA	6519	2-81
Neutral Gases, Compressed Air	Manifold	35 - 115	30 - 120	PA	8640	2-85
Neutral Gases, Compressed Air	Namur	28 - 145	14 - 130	PA	5470	2-25
Neutral Gases, Compressed Air	Namur	30 - 115	(-14) - 140	PA	6519	2-81
Neutral Gases, Compressed Air	Sub-base	36 - 100	14 - 122	PA	6511	2-67
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Angle Seat	3/8" - 3/4"	0 - 230	14 - 356	Stainless	2000 Compact	4-13
Angle Seat	1/2" - 2 1/2"	0 - 230	14 - 356	Brass	2000-	4-17
Angle Seat	1/2" - 2 1/2"	0 - 230	14 - 356	Stainless	2000	4-9
Angle Seat	1/2" - 2 1/2" Flange	0 - 230	14 - 356	Stainless	2000	4-9
Angle Seat	1/2" - 2"	0 - 230	14 - 356	Stainless	2632	4-127
Angle Seat	1/2" - 2 1/2"	0 - 230	14 - 356	Brass	2000 TOP Control	4-25
Angle Seat	1/2" - 2 1/2"	0 - 230	14 - 356	Stainless	2000 TOP Control	4-25
Diaphragm	1/2" - 2"	0 - 145	32 - 140	PVC	2030	4-89
Diaphragm	1/2" - 2"	0 - 145	32 - 248	PVDF	2030	4-89
Diaphragm	1/2" - 2"	0 - 145	32 - 140	PVC	2030 w/positioner	4-95
Diaphragm	1/2" - 2"	0 - 145	32 - 248	PVDF	2030 w/positioner	4-95
Diaphragm	1/4" - 2"	0 - 145	14 - 280	Stainless	2031	4-103
Diaphragm	1/2" - 2"	0 - 145	7 - 289	Stainless	2031	4-103
Diaphragm	1/2" - 2"	0 - 145	14 - 280	Stainless	2031 w/positioner	4-107
Diaphragm	1/2" - 2"	0 - 145	32 - 140	PVC	2030 TOP Control	4-65
Diaphragm	1/2" - 2"	0 - 145	14 - 248	PP	2030 TOP Control	4-65
Diaphragm	1/2" - 2"	0 - 145	32 - 248	PVDF	2030 TOP Control	4-65
Diaphragm	1/2" - 2"	0 - 145	14 - 280	Stainless	2031 w/TOP Control	4-65
Ball	1/4" - 2"	0 - 230	14 - 248	Stainless	256x	4-133