

NEEDLE VALVES

These instrument valves are used in a wide variety of laboratory and industrial application. All valves come with Teflon[®] packing for leak proof performance.

SPECIFICATIONS

Maximum Inlet Pressure 3000 PSIG
Temp. Operating Range -65°F to +165°F



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MATERIALS OF CONSTRUCTION

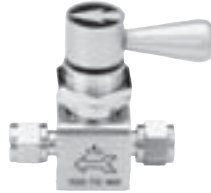
Body	Stem	Part Number	Outlet	Inlet	Orifice	Cv
Brass Nickel Plated	316 SST	I5535	1/4" MNPT	1/4" MNPT	0.170	0.35
Brass Nickel Plated	316 SST	I5536	1/4" FNPT	1/4" MNPT	0.170	0.35
Monel	Monel	Y34-311	1/4" FNPT	1/4" MNPT	0.140	0.27
316 Stainless Steel	316 SST	I5552	1/4" MNPT	1/4" MNPT	0.140	0.27
316 Stainless Steel	316 SST	I4803	1/4" FNPT	1/4" MNPT	0.140	0.27

DIAPHRAGM VALVES

The multiple metal diaphragm design and PCTFE seats are key elements to the high success of these valves. These valves are recommended where the diffusion of atmospheric gases and moisture into the gas stream are undesirable. They are a must in all high purity applications including gas chromatography carrier gases, samples, and calibration standards. Available in multi-turn version that has a hand wheel which operates from full open to fully closed in 3/4 turn and 1/4 turn version that has a lever type handle with flow indicator to determine if valve is open or closed.



Multi-Turn Valve



1/4 - Turn Valve

SPECIFICATIONS

Maximum Inlet Pressure 3000 PSIG
Temp. Operating Range -40°F to +200°F
Body Brass or 316 Stainless Steel
Seat PCTFE

MATERIALS OF CONSTRUCTION

Body	Part Number	Outlet	Outlet	Inlet	Orifice	Cv
Brass	15503	Multi-Turn	1/4" FNPT	1/4" MNPT	0.140	0.27
316 Stainless Steel	14804	Multi-Turn	1/4" MNPT	1/4" MNPT	0.094	0.13
316 Stainless Steel	14805	Multi-Turn	1/4" FNPT	1/4" MNPT	0.094	0.13
Brass Bar Stock	16084	1/4 - Turn	1/4" FNPT	1/4" MNPT	0.094	0.13
Brass Bar Stock	16085	1/4 - Turn	1/4" FNPT	1/4" FNPT	0.094	0.13
Brass Bar Stock	16086	1/4 - Turn	1/4" MNPT	1/4" MNPT	0.094	0.13
Brass Bar Stock	16087	1/4 - Turn	1/4" Tube Fitting	1/4" Tube Fitting	0.094	0.13
316 SST Bar Stock	16088	1/4 - Turn	1/4" FNPT	1/4" MNPT	0.094	0.13
316 SST Bar Stock	16089	1/4 - Turn	1/4" FNPT	1/4" FNPT	0.094	0.13
316 SST Bar Stock	16090	1/4 - Turn	1/4" MNPT	1/4" MNPT	0.094	0.13
316 SST Bar Stock	16091	1/4 - Turn	1/4" Tube Fitting	1/4" Tube Fitting	0.094	0.13

CHECK VALVES

In Line; One Directional Flow

Check Valves prevent the return flow of gas from re-entering the gas stream. This keeps foreign substances out of lines, regulators, and cylinders located upstream from valves. Check valves are available in brass and 316 stainless steel.

MATERIALS OF CONSTRUCTION

Body	O-Ring	Part Number	Outlet	Inlet
Brass Nickel Plated	Viton-A	I6054	1/4" FNPT	1/4" FNPT
316 Stainless Steel	Viton-A	I6055	1/4" FNPT	1/4" FNPT
316 Stainless Steel	ERP	I6056	1/4" FNPT	1/4" FNPT
316 Stainless Steel	Neoprene	I6057	1/4" FNPT	1/4" FNPT

