

Techflow TE-Series Extended Stem Cryogenic Valves

Manufactured by Technifab to Insure Quality Standards

Benefits:

- ASME B16.34 code compliance certifies safe operation.
- Bubble tight closure means tighter seal at cryogenic temperatures preventing possible equipment problems.
- Low Torque for easy on/off operation.
- High Cv improves flow and liquid quality at use point.
- Quick and easy seal replacement reduces downtime.



Features:

- Self-aligning PCTFE seat design provides flexibility and solid closure.
- Bonnet port for relief valve, purge valve or pressure gauge installation.
- Stainless steel body allows for all locations including caustic environments.
- LOX cleaning available.
- 1 year Warranty.

Applications:

- Bulk Tank Shut-offs.
- Systems expansion / re-routing connections.
- Loading and unloading trailers and trucks.
- Liquefied and gaseous atmospheric applications.

TE Series Valve Specifications

All Valves:

Temperature Range -325°F to 150°F (-198°F to 65°C)
 Pressure rating 720 psig (49.6 Bar)
 Class 300 (ASME B16.34)

Model	Pipe Size NPS	Pipe Inner Diameter	C _v (K _v)
0840	1/2" (15 mm)	.710 in (18 mm)	4.66 (4.02)
1315	1" (25 mm)	1.185 in (30.1 mm)	17.2 (14.8)
2375	2" (50 mm)	2.209 in (57 mm)	20 (17.2)
4500	4" (100 mm)	4.50" (114.8 mm)	191 (165.2)

0840/1315/2375 Valve Installation Dimensions

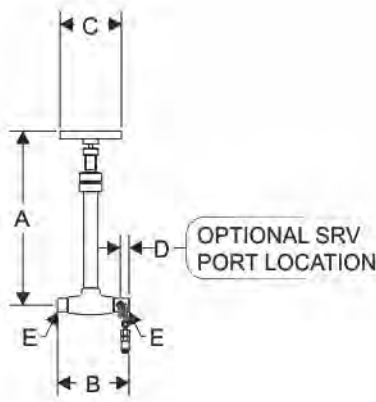


Fig. 1

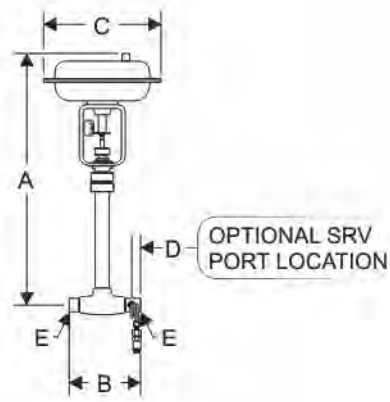


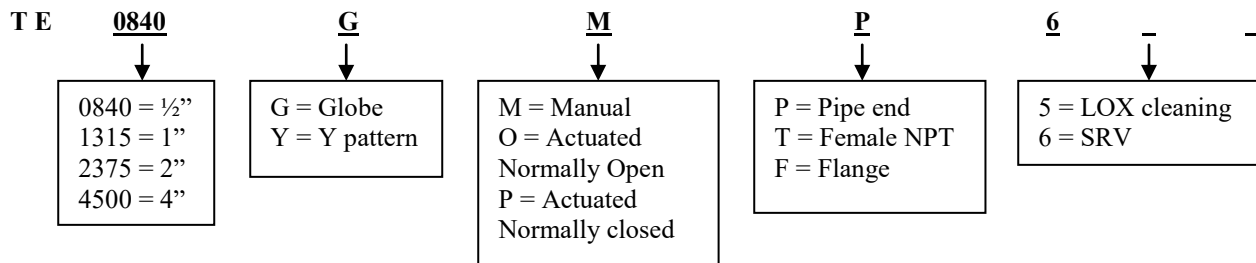
Fig. 2

MODEL	PIPE SIZE	CONTROL	CONNECTION	A	B	C	D†	Figure
TE-0840-GM	1/2"	Manual	Female NPT	14.34"	4"	2.6"	0.95"	Fig. 1
TE-0840-GP	1/2"	Actuated		21.4"	4"	8.5"	0.95"	Fig. 2
TE-1315-GM	1"	Manual	Female NPT	18.72"	7.75"	6"	1.52"	Fig. 1
TE-1315-GP	1"	Actuated		24.6"	7.75"	11.5"	1.52"	Fig. 2
TE-1315-GM	1"	Manual	Plain Pipe End	18.72"	7"	6"	0.87"	Fig. 1
TE-1315-GP	1"	Actuated		24.6"	7"	11.5"	0.87"	Fig. 2
TE-2375-GM	2"	Manual	Female NPT	23.82"	10"	6"	N/A	Fig. 1
TE-2375-GP	2"	Actuated		31.3"	10"	13.5"	N/A	Fig. 2
TE-4500-GM	4"	Manual	Plain Pipe End	36.23"	17"	10"	N/A	Fig. 1
TV-4500-GP	4"	Actuated	Plain Pipe End	59.33"	17"	16.0"	N/A	Fig. 2

†Dimension is for location of optional safety relief valve port.

All dimensions in inches.

VALVE NOMENCLATURE



Technifab manufactures and installs vacuum jacketed pipe, transfer hoses, dewars, valves, and other cryogenic equipment. We also provide the industry leading warranty and service to back it up.

Satisfying customers since 1992 because, **We Know Cryo...**