

# 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 <sub>v</sub> (K <sub>v</sub> )
0840	1/2" (15 mm)	.710 in (18 mm)	2.4 (4.02)
1315	1" (25 mm)	1.185 in (30.1 mm)	14 (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

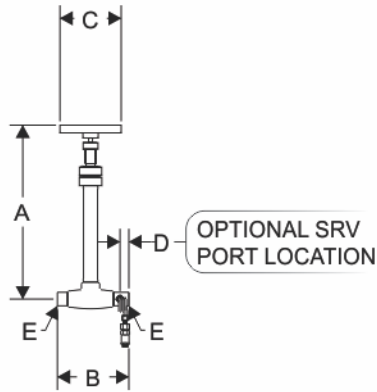


Fig. 1

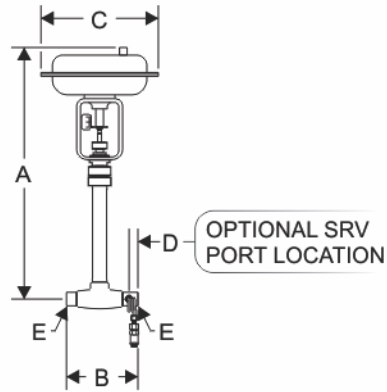


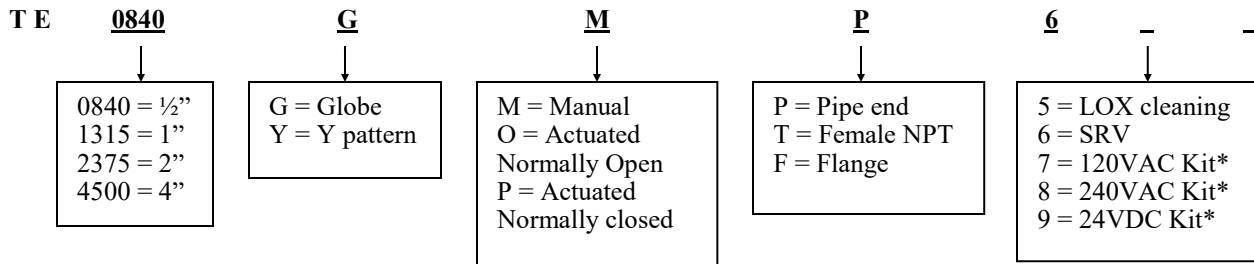
Fig. 2

MODEL	PIPE SIZE	CONTROL	A	B	C	D†	Figure
TE-0840-GM	1/2"	Manual	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	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	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	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	36.23"	17"	10"	N/A	Fig. 1

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

All dimensions in inches.

### VALVE NOMENCLATURE



\*Kit includes solenoid, coil connector, regulator and pressure gauge.

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...**