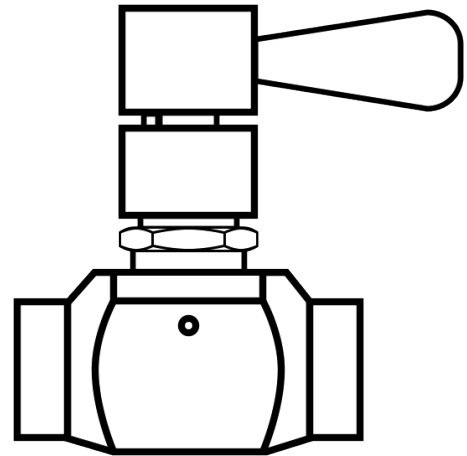


High Pressure Quarter Turn Springless Diaphragm Packless Valves



Aneer's QTV Series Valves provide quarter turn, positive shut off for critical gas/fluid systems. The lever handle design allows for visual open/closed indication and quick acting cycling. This springless diaphragm valve offers superior leak integrity for Specialty Gas, Chemical, Instrumentation, Semiconductor, Medical and general purpose applications with pressure ranges from vacuum to 3500 Psig.

Features

- » Bar stock construction
- » Quarter turn lever handle
- » Springless design
- » Metal diaphragm sealed
- » Positive shut-off
- » Quick acting open to close
- » Low internal volume
- » High cycle life
- » Leak test port
- » Ultrasonically di cleaned
- » 100% Helium leak tested
- » Standard bottom mount design
- » Available with panel mount option
- » Available with electropolished id surface on request
- » Custom materials and configurations available on request

Applications

- » Gas / Fluid control Panels
- » Manifold Systems
- » Sampling Systems
- » Gas Analyzers
- » Valve Manifold Boxes
- » General Shut-off

Materials of construction

- » Body options:
Brass, Nickel plated Brass,
316L Stainless Steel, Monel® R405, or Aluminum Silicon Bronze
- » Seat options:
PCTFE or Polyimide
Wetted Diaphragm:
316L Stainless Steel
- » Bonnet Nut:
303 Stainless Steel
Stem:
416 Stainless Steel
- » Handle:
Clear Anodized Aluminum
Custom colors available on request
- » Label:
Vinyl / Mylar

End connection options

- » ¼" Male and ¼" Female pipe thread
- » ¼" Compression
- » ¼" and ⅜" Tube socket weld
- » ¼" Pipe socket weld
- » ¼" Male and ¼" Female face seal
- » ¼" and ⅜" Orbital tube weld
- » Custom connections

Head Office :

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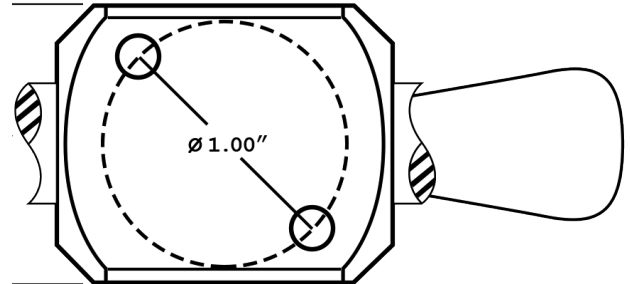
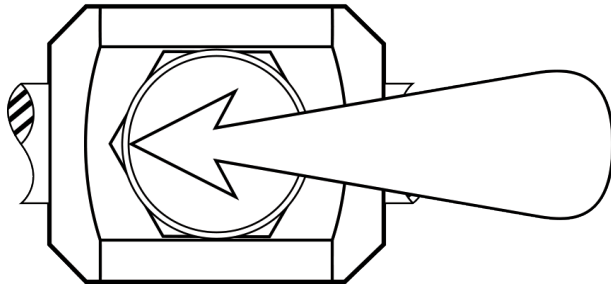
Aneer Engineers Pvt. Ltd.

DIN EN ISO 9001 : 2008 Organisation

Visit us at : www.aneer.net

High Pressure Quarter Turn Springless Diaphragm Packless Valves

Dimensions



Specification

» Pressure rating	3500 Psig
» Flow coefficient	0.13
» Seat orifice size	0.125"
» Standard seat material	PCTFE
» Temperature limits	-56° C TO 65° C

» Max. Allowable seat leakage	2 x 10⁻⁸ ATM CC/SEC He
» Max. Inboard leakage	2 x 10⁻⁸ ATM CC/SEC He
» Wetted diaphragm	316L Stainless Steel
» Standard bottom mount	2 x 10¹⁰/₃₂" Tapped hole
» Optional panel mount	Panel hole size 57/64"

Ordering Information

QTV 2005 - [] - [] - []

MOC	Inscribe
Brass	QTV-B
Nickel plated Brass	QTV-NB
316L Stainless Steel	QTV-SS316L
Monel® R405	QTV-M405
Aluminum Silicon Bronze	QTV-ASB

Optional Accessories	Inscribe
Diaphragm Packless Valve	FCB
Needle Valve	NSB
Heater at Inlet	HHH
Panel Mounting Ring	PMR
Captured Vent Device	CVD
Tee Purge at Inlet	TPI
Cross Purge at Inlet	CPI

Inlet Connection	Inscribe
¼" NPT (Female) Port	00
¼" NPT (Male)	01
⅝" Compression (Imported / Indigenous)	06 / 06A
¾" Compression (Imported / Indigenous)	07 / 07A
6 mm Compression (Imported / Indigenous)	08 / 08A
¾" Compression (Imported / Indigenous)	09 / 09A
½" Compression (Imported / Indigenous)	10 / 10A
12 mm Compression (Imported / Indigenous)	11 / 11A
4 mm Hose barb (RH / LH)	21R / 21L
6 mm Hose barb (RH / LH)	22R / 22L
8 mm Hose Barb (RH / LH)	23R / 23L
Pushfit Connection for 4 mm PU Tube	4MMPU
Pushfit Connection for 6 mm PU Tube	6MMPU
Other (Mention at end of Code)	25

Outlet Connection	Inscribe
¼" NPT (Female) Port	00
¼" NPT (Male)	01
⅝" Compression (Imported / Indigenous)	06 / 06A
¾" Compression (Imported / Indigenous)	07 / 07A
6 mm Compression (Imported / Indigenous)	08 / 08A
¾" Compression (Imported / Indigenous)	09 / 09A
½" Compression (Imported / Indigenous)	10 / 10A
12 mm Compression (Imported / Indigenous)	11 / 11A
4 mm Hose barb (RH / LH)	21R / 21L
6 mm Hose barb (RH / LH)	22R / 22L
8 mm Hose Barb (RH / LH)	23R / 23L
Pushfit Connection for 4 mm PU Tube	4MMPU
Pushfit Connection for 6 mm PU Tube	6MMPU
Other (Mention at end of Code)	25

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