

# Twin Flapper Check Valve



10,000 PSI RATED

ULTRA RELIABLE DESIGN

DTI UNIFIED FLAPPER DESIGN

## Description

The DTI Twin Flapper Check Valve provides a dual barrier within the coiled tubing tool string as safety critical protection against fluid back flow. It is robust, reliable, easy to redress and rated to 10,000 psi.

Two flapper cartridge sub-assemblies fit into the main valve body to provide an effective dual barrier. The flappers have combined elastomeric/metal seating, providing efficient low and high pressure sealing, combined with simple redress.

All DTI's motorheads and flapper check valves use our single-piece flapper cartridge design – pioneered at DTI and now copied throughout the industry for ultimate reliability, reduced leak paths and easier redress.

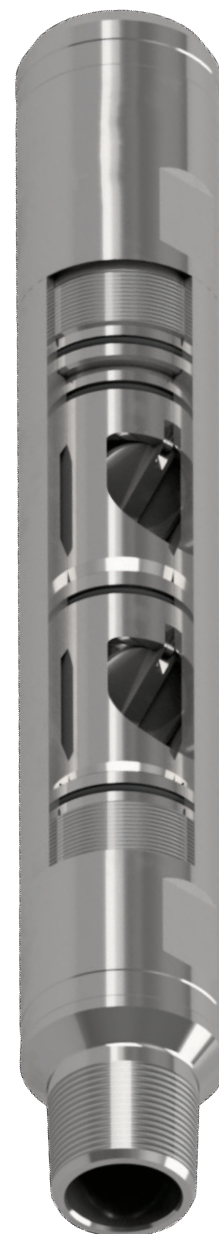
All these cartridges are factory pressure tested and are available to suit most housings and applications.

## Deployment and Operation

- All DTI's TFCV's can be specified with a range of connections or metallurgy for a variety of applications.
- Single piece cartridge easily replaced.
- TFCV assemblies can be supplied in alternative metallurgy or coatings for extreme environments.

## Features & Benefits

- Uses DTI pioneered single piece flapper cartridges for reduced leak paths and easier redress.
- Dual Barrier through two cartridge assemblies.
- Metal-to metal sealing on flapper against cartridge.
- Combined low and high pressure sealing feature.
- Easy to redress by replacing cartridge body.
- Spare cartridges can be supplied fully assembled and tested.
- All Twin Flapper Check Valve Ultras are rated to 10,000 psi and 200 C.



Part Number	Running OD	ID	Will Pass Area	Length (M/U)	Tensile Rating	Threads
<b>Slim Pump Safety Valves are 5,000 psi API 14A V3 rated</b>						
TFCV125AC32	1.250"	0.50"	0.375"	10.8"	35,000	1.0"-10 SA
TFCV150AC08	1.500"	0.50"	0.375"	8.5"	42,000	1.00" AMMT
TFCV169AC08	1.690"	0.750"	0.625"	16.4"	45,000	1.00" AMMT
TFCV175AC08	1.750"	0.750"	0.625"	13.9"	45,000	1.00" AMMT
TFCV200AC09	2.000"	0.890"	0.750"	11.8"	57,000	1.50" AMMT
TFCV212AC09	2.125"	0.890"	0.750"	18.3"	84,000	1.50" AMMT
TFCV238AC09	2.375"	0.890"	0.750"	18.3"	84,000	1.50" AMMT
TFCV288AC23	2.875"	1.40"	1.250"	20.5"	90,000	2.375"/8 PAC
TFCV312AC23	3.125"	1.40"	1.250"	23.4"	110,000	2.375"/8 PAC

DTI has one of the largest ranges of Twin Flapper Check Valves available on the market. The table above shows our core products only.

We offer optional equipment, alternative sizes, pressure ratings, materials and thread connections. **Please contact us for more information.**