Model QFT Ball Valve

Product Description

Model QFT ball valve is a manually adjusted shut off valve, which is applicable to bidirectional flow, can be applied in the liquid, heating and hot gas pipelines of Refrigeration and A/C equipment. The special design of stem seal and valve ball seal with special sealing materials ensure the superior performance under common refrigerant working environment.

Features

- Bi-flow direction, can be installed arbitrarily.
- Precision forged high-quality copper valve body.
- Small pressure drop from medium refrigerants.
- Explosion-proof stem design.
- Sealing rings applicable for
- rotary-limit design for fully open/closed
- Secondary reliable sealing structure on the valve stem.
- Can be installed on the control board for easy fixation.

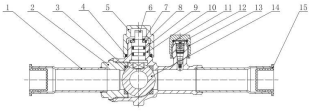
Technical Parameters

MAX. working pressure	650PSI/45BAR
Applicable refrigerant	R22, R134a, R404A, R407C, R410A, etc.
Applicable medium working temperature	-40℃ ~ +120℃

Model Selection

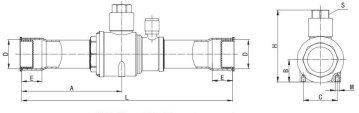
Model	size
	ID (mm)
QFT-6V / QFT-6	φ6.50 $^{0}_{-0.2}$
QFT-10V / QFT-10	φ10.10 $^{0}_{-0.2}$
QFT-12V / QFT-12	φ12.80 $^{0}_{-0.2}$
QFT-16V / QFT-16	φ16.10 $^{0}_{-0.2}$
QFT-19V / QFT-19	φ19.20 $^{0}_{-0.2}$
QFT-22V / QFT-22	φ22.30 $^{0}_{-0.2}$
QFT-28V / QFT-28	φ28.70 $^{0}_{-0.2}$
QFT-35V / QFT-35	φ35.20 $^{0}_{-0.2}$
QFT-42V / QFT-42	φ41.50 $^{0}_{-0.2}$
QFT-54V / QFT-54	φ54.20 $^{0}_{-0.2}$

Structure

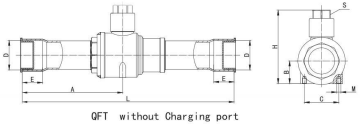


1. Copper tube
2. Valve bonnet
3. Seal gasket
4. cap gasket
5. Valve cap
6. Valve stem
7. Check ring
8. Limiter
9. O-Ring
10. Valve body
11. Seal gasket
12. Valve core
13. Charging cap
14. Valve ball
15. Cap

Dimensions



QFT-V with Charging port



QFT without Charging port

Model	Overall Dimension								
	D	L	E	H	A	B	C	M	S
QFT-6V/QFT-6	φ6.50 $^{0}_{-0.2}$	120	7	45.2	51.1	14	16	M4	S12
QFT-10V/QFT-10	φ10.10 $^{0}_{-0.2}$	140	9	45.2	60.9	14	16	M4	S12
QFT-12V/QFT-12	φ12.80 $^{0}_{-0.2}$	140	10	45.2	60.9	14	16	M4	S12
QFT-16V/QFT-16	φ16.10 $^{0}_{-0.2}$	159	14	53.3	70.8	17	16	M4	S14
QFT-19V/QFT-19	φ19.20 $^{0}_{-0.2}$	169	16	54.2	76.5	16.5	22	M4	S14
QFT-22V/QFT-22	φ22.30 $^{0}_{-0.2}$	186	17	57.0	86.5	18	24.8	M4	S14
QFT-28V/QFT-28	φ28.70 $^{0}_{-0.2}$	208	20	70.4	98.8	22	34	M4	S17
QFT-35V/QFT-35	φ35.20 $^{0}_{-0.2}$	251	25	80.0	119.2	27	38	M4	S17
QFT-42V/QFT-42	φ41.50 $^{0}_{-0.2}$	280	29	100.1	137.1	33	48	M6	S24
QFT-54V/QFT-54	φ54.20 $^{0}_{-0.2}$	305	34	115.2	150.6	40.5	62	M6	S24