



HENRY
TECHNOLOGIES

High Pressure Ball Valves

Suitable for Transcritical CO₂ Systems

FEATURES

Allowable Operating
Temperature -40° C to
+120° C

Maximum Working
Pressure of 120 Barg



Helium Leak Tested

Sealing materials
optimised for CO₂

Suitable for use with
HCFC, HFC and CO₂
refrigerants and their
associated oils



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DESIGNED FOR PERFORMANCE

HIGH PRESSURE BALL VALVES

The function of a Ball Valve is to provide isolation in liquid and gas applications with single or bi-directional flow, where little restriction is desired.

Applications

Ball valves are used in a wide variety of air conditioning and refrigeration applications. They can be used for both liquid and gas applications. This type of valve is commonly used for isolating purposes. All valves are suitable for use with HCFC, HFC and CO₂ refrigerants and their associated oils.

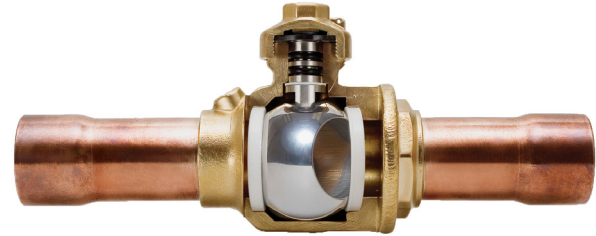
Main Features

Construction Features

- Bi-directional flow
- Indicator on stem shows valve position - open or closed
- Positive stem stop ensures precise positioning in the open or closed position
- Blow-out proof stem
- Ball cavity vented to prevent over-pressure
- Vented seal cap
- Mounting pad

Sealing Integrity Features

- Sealing materials optimised for CO₂
- Premium quality TFM™ ball seals
- Double O-ring stem seal design
- Premium quality neoprene stem O-ring seals
- PTFE cap seal - acts as a secondary seal



Technical Specification

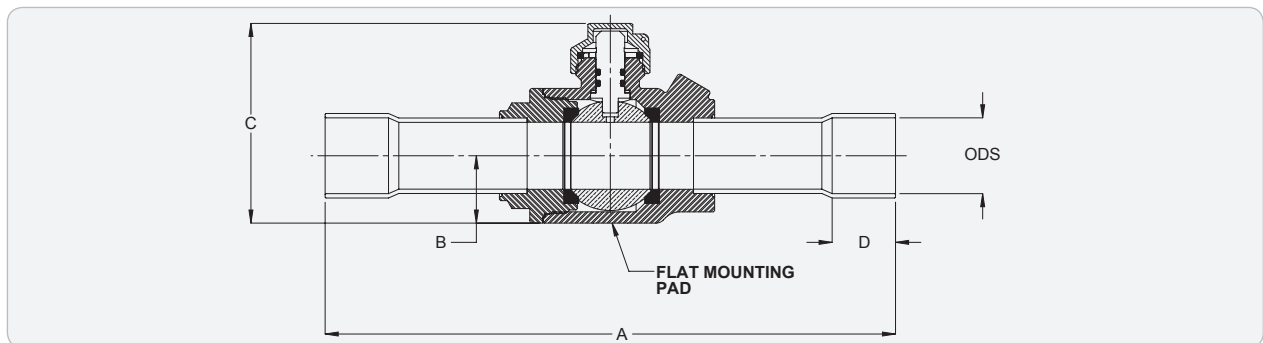
Allowable operating temperature = -40°C to +120°C
Allowable operating pressure = 0 to 120 barg

Materials of Construction

The valve body, valve body adaptor, ball and seal cap are made from brass. The stem is made from stainless steel. The pipe extensions are made from K65 copper. The ball seals are made from TFM™, stem O-rings from neoprene and cap seal from PTFE.

Installation - Main Issues

The valve body must be protected against excessive heat during installation to prevent damage to the seals. Full details are provided in the installation sheet, included with each valve.



Part No		ODS (inch)	ODS (mm)	Dimensions (mm)					Port Size (mm)	Weight (kg)	MWP (barg)	Kv Value (m ³ /hr)	CE Cat
Imperial	Metric			A	B	C	D	Mounting pad hole thread details -2 off					
-	907206MTH	-	6	165	16	54	8	8-36 UNF-2B X 20 mm pitch	12.70	0.33	120	1.81	SEP
907202TH	-	1/4	-	165	16	54	8	8-36 UNF-2B X 20 mm pitch	12.70	0.33	120	1.81	SEP
907203TH	-	3/8	-	165	16	54	8	8-36 UNF-2B X 20 mm pitch	12.70	0.33	120	3.70	SEP
-	907210MTH	-	10	165	16	54	8	8-36 UNF-2B X 20 mm pitch	12.70	0.33	120	3.70	SEP
-	907212MTH	-	12	165	16	54	10	8-36 UNF-2B X 20 mm pitch	12.70	0.33	120	6.02	SEP
907204TH	-	1/2	-	165	16	54	10	8-36 UNF-2B X 20 mm pitch	12.70	0.33	120	6.02	SEP
907205TH	-	5/8	16	165	16	54	13	8-36 UNF-2B X 20 mm pitch	12.70	0.33	120	11.95	SEP
-	907318MTH	-	18	184	21	67	17	8-36 UNF-2B X 32 mm pitch	19.05	0.62	120	18.06	SEP
907306TH	-	3/4	-	184	21	67	16	8-36 UNF-2B X 32 mm pitch	19.05	0.62	120	18.06	SEP
907307TH	-	7/8	22	184	21	67	19	8-36 UNF-2B X 32 mm pitch	19.05	0.64	120	26.06	SEP
-	907428MTH	-	28	216	25	76	24	10-32 UNF-2B X 40 mm pitch	25.40	0.95	120	52.72	SEP
907409TH	-	1-1/8	-	216	25	76	23	10-32 UNF-2B X 40 mm pitch	25.40	0.95	120	52.72	SEP
907511TH	-	1-3/8	35	235	31	94	25	10-32 UNF-2B X 48 mm pitch	31.75	1.52	120	73.27	Cat I
907613TH	-	1-5/8	-	254	39	109	28	1/4"-28 UNF-2B X 60 mm pitch	38.10	2.44	120	182.32	Cat I
-	907642MTH	-	42	254	39	109	28	1/4"-28 UNF-2B X 60 mm pitch	38.10	2.44	120	182.32	Cat I