

Water Meter Inlet Ball Valve

cim204.1

FIPT x Swivel Nut



Applications:

The CIM 204.1 water meter inlet ball valve, like all Cimberio ball valves designed for water meter service, is manufactured in accordance with EN ISO 9001 for use with residential and commercial water service, as well as industrial and agricultural applications.

Features:

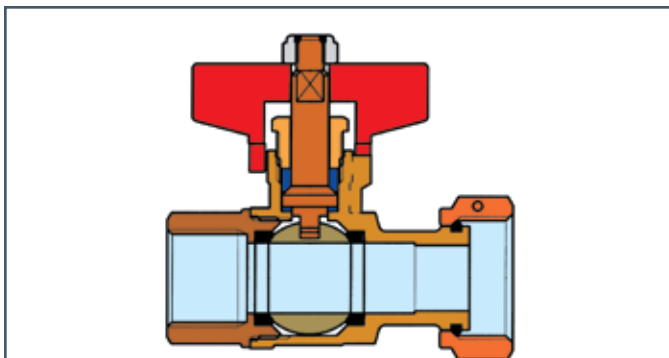
The CIM 204.1 is constructed with a lockable swivel nut to allow for easy and quick installation of a water meter.

Options:

Special features such as special fittings, locking handle, check valves, drain valves, and strainers can be included to further reduce installation time and improve safety.

Threading:

NPT threads ANSI B1.20.1 x Swivel Nut ISO 228.



Materials:

- **Body:** Hot Forged Brass ASTM C37700
- **Threaded Ends:** Hot Forged Brass ASTM C37700
- **Ball:** Brass, Machined to a Micro-Smooth Finish, Hard Chromium Plated
- **Cap Stem:** 36600 Bar Stock
- **Ball Seats:** Conical Rings in P.T.F.E.
- **Stem Seal:** Rings in P.T.F.E.
- **Handle:** Hard Duraluminum Alloy Epoxy Painted Red RAL 3000
- **Nut:** Self-Locking Type, Steel ANSI C.1008.

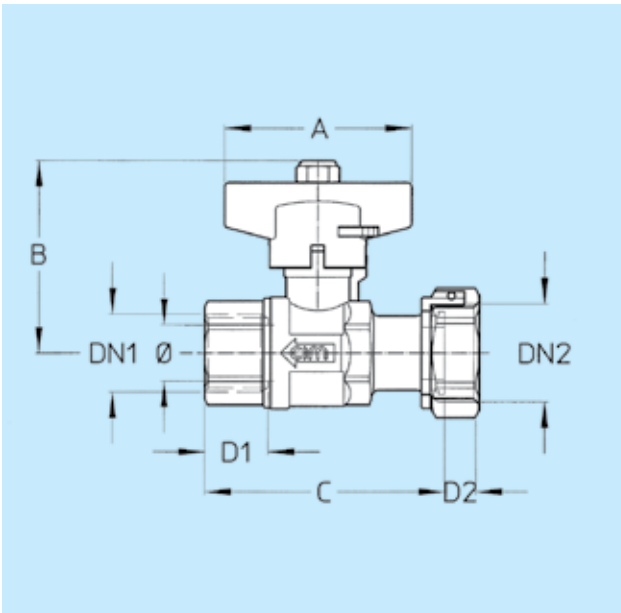
All Cimberio valves qualify for the American Recovery and Reinvestment Act and the Buy American Act.

Size	Fast Order No.	Technical ID No.
1/2" x 3/4"	204-0406	CIM204-AS0406TH
3/4" x 3/4"	204-0606	CIM204-AS0606TH
3/4" x 1"	204-0607	CIM204-AS0607TH
1" x 1"	204-0707	CIM204-AS0707TH

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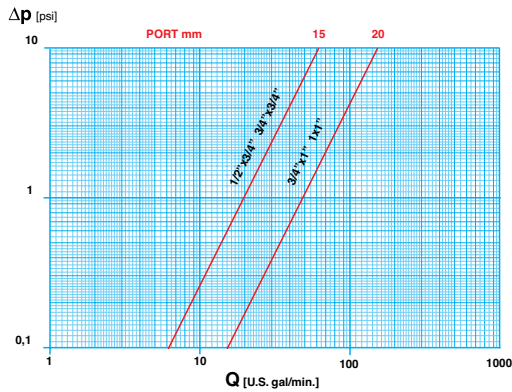
cim204.1

FIPT x Swivel Nut

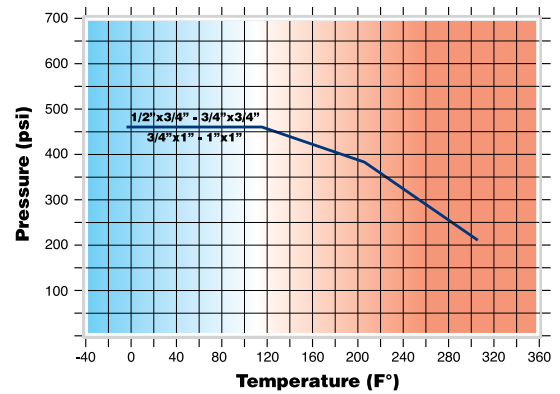


Size DN1	1/2"	3/4"	3/4"	1"
Size DN2	3/4"	3/4"	1"	1"
Port inch	0.59"	0.59"	0.79"	0.79"
Port mm	15mm	15mm	20mm	20mm
A	2"	2"	2-3/4"	2-3/4"
	50mm	50mm	70mm	70mm
B	2-1/16"	2-1/16"	2-3/16"	2-3/16"
	52mm	52mm	56mm	56mm
C	2-1/2"	2-11/16"	3"	3-1/4"
	64mm	67.5mm	76mm	83mm
D1	11/16"	3/4"	3/4"	15/16"
	17mm	18.5mm	19mm	23mm
D2	3/8"	3/8"	3/8"	3/8"
	9mm	9mm	10mm	10mm
CH1	1"	1-1/4"	1-1/4"	1-1/2"
	25mm	31mm	31mm	38mm
CH2	1-1/4"	1-1/4"	1-7/16"	1-7/16"
	31mm	31mm	37mm	37mm
Pounds	0.54	0.63	0.93	1.04
Grams	245	285	420	470

FLOW AND PRESSURE DROP



PRESSURE/TEMPERATURE RATINGS



CV CM CS MT

CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI"

CM: Working Torque in "lb x in"

CS: Starting Torque in "lb x in"

MT: Torque Breaking Point on the Stem in "lb x in"

Element: Water - Temperature: 59.9° F

204.1	SIZE	1/2" x 3/4"	3/4" x 3/4"	3/4" x 1"	1" x 1"
	Ø mm	15	15	20	20
	Ø inch	0.59	0.59	0.79	0.79
CV	gal/min	19.7	19.7	47.4	47.4
CM	N x m	3	3	5	5
	lb x in	27	27	44	44
CS	N x m	6	6	10	10
	lb x in	53	53	89	89
MT	N x m	10	10	24	24
	lb x in	89	89	213	213

Working Pressure: 464 PSI

Max. Operating Temperature: Working Limit for Fluids -4° F – 302° F

Test Pressures: According to ISO 5208

Vacuum: The CIM204.1 ball valve can be used for vacuum: 2×10^{-5} PSI