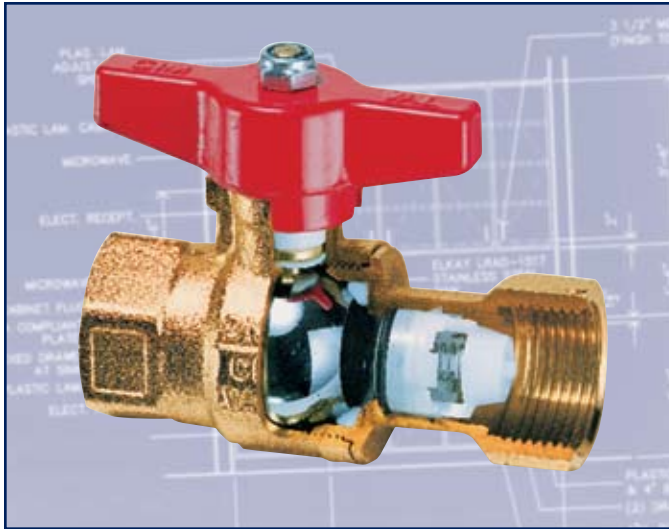


Full Port Ball Valve with Integral Check Valve

cim356.1

FIPT x FIPT



Applications:

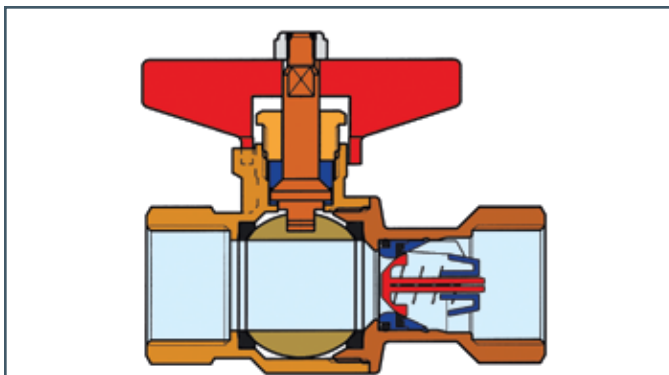
The CIM 356.1 full port ball valve with built-in check valve, like all Cimberio ball valves, is manufactured in accordance with EN 29000 - ISO 9001 and is designed for residential and commercial plumbing, industrial applications, and agricultural systems.

Features:

The CIM 356.1 ball valve, which is similar in design to the Cimberio CIM 11 building block, is built with a heavy pattern body that offers increased thread depth and includes a unique stem design that allows handle option flexibility. The CIM 356.1 ball valve also features an integral check valve designed to ensure limited pressure drop while preventing contamination and pollution backflow. The CIM 356.1's compact design incorporates two distinct functions in one unit, saving space, time and money and making this valve particularly well suited for OEM applications.

Threading:

NPT threads ANSI B1.20.1.



Materials:

- **Body:** 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:** O-Rings in P.T.F.E.
- **Non-Return Check Valve:** Hostaform Plastic; Opens at 0.14 PSI
- **Handle:** Hard Duraluminum Alloy Painted Red RAL 3000
- **Nut:** Self-Locking Type, Steel ANSI C.1008.

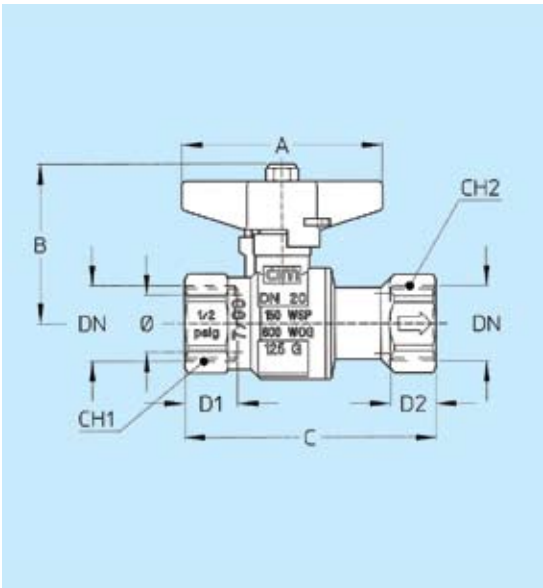
Size	Fast Order No.	Technical ID No.
1/2"	356-04	CIM356-A04-BCV
3/4"	356-06	CIM356-A06-BCV
1"	356-07	CIM356-A07-BCV
1-1/4"	356-08	CIM356-A08-BCV
1-1/2"	356-09	CIM356-A09-BCV
2"	356-10	CIM356-A10-BCV

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

Full Port Ball Valve with Integral Check Valve

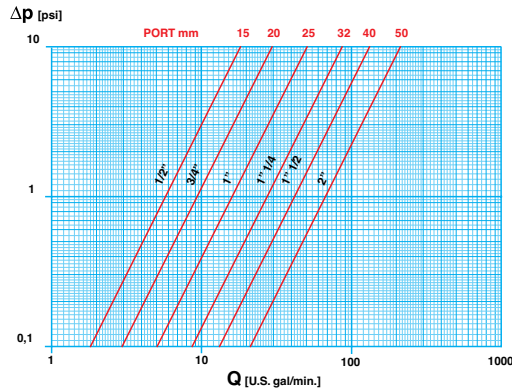
cim 356.1

FIPT x FIPT

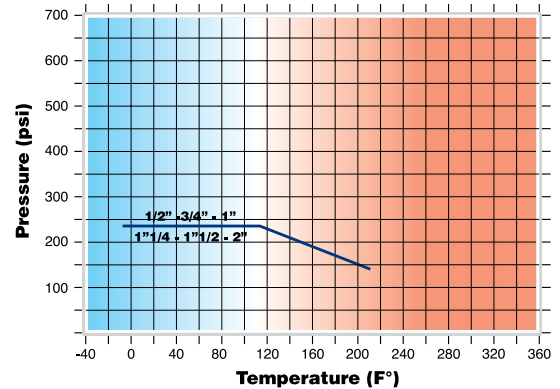


Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Port inch	0.59"	0.79"	0.98"	1.26"	1.57"	1.97"
Port mm	15mm	20mm	25mm	32mm	40mm	50mm
A	2"	2-3/4"	2-3/4"	3-3/8"	3-15/16"	3-15/16"
B	2-1/16"	2-3/16"	2-3/8"	2-7/8"	3-1/2"	3-13/16"
C	2-15/16"	3-7/16"	4-3/16"	4-5/8"	5-1/2"	6-11/16"
D1	11/16"	3/4"	13/16"	7/8"	15/16"	1-1/16"
D2	5/8"	5/8"	13/16"	11/16"	3/4"	13/16"
CH1	1"	1-1/4"	1-9/16"	1-15/16"	2-3/16"	2-3/4"
CH2	1"	1-1/4"	1-1/2"	1-7/8"	2-1/8"	2-5/8"
Pounds	0.53	0.88	1.42	2.16	3.27	5.18
Grams	240	400	645	980	1485	2350

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

	SIZE	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
356.1	Ø mm	15	20	25	32	40	50
	Ø inch	0.59	0.79	0.98	1.26	1.57	1.97
	CV	5.8	9.3	16.2	27.7	41.6	65.9
CM	N x m	3	5	6	7	10	13
	lb x in	27	44	53	62	89	115
CS	N x m	6	10	12	14	20	26
	lb x in	53	89	106	124	177	230
MT	N x m	10	24	24	45	90	90
	lb x in	89	213	213	399	797	797

Working Pressure: 232 PSI

Max. Operating Temperature: Working Limit for Fluids -40° F – 212° F

Test Pressures: According to ISO 5208