

APPLICATIONS

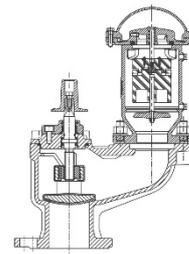
Hydrant Isolation valves are suitable for potable and non-potable water systems installed below and above ground. The valves are designed to provide a screw down isolation point for attached outlet devices such as air valves and hydrants.

FEATURES

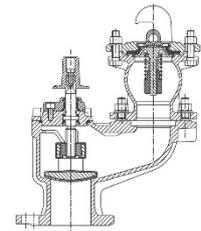
High strength ductile iron body for impact resistance
Corrosion Resistant materials and coatings
Versatile design for attaching DN 80 – 100 air valves and hydrants

TECHNICAL DATA

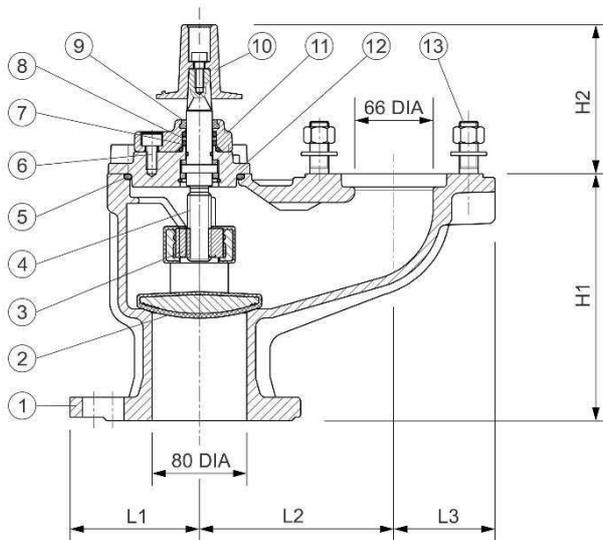
Standard: AS/NZS 4020, AS/NZS 4158
Size Range: DN 80, DN 100
Pressures: **PN16** **PN35**
Operating Pressure 1600 kPa 3500 kPa
Test Pressure – Seal 1760 kPa 3850 kPa
Test Pressure – Body 2400 kPa 5250 kPa
Temperatures: Max 80 deg C,
Max 40 deg C for potable water systems to AS 4020
Operation: Screw down - anti-clockwise or clockwise closing
Flange drillings: PN16 (AS 4087 Fig B5), PN35 (AS 4087 Fig B6)
Inlet: Flange with slotted drilling to suit DN80 – 100
Outlet: Stud Bolts to suit DN 80 or DN 100 flange drilling



Air Valve Isolation



Spring Hydrant Isolation



COMPONENTS

ITEM	PART	MATERIAL	STANDARD
1	Body	Ductile Iron Gr 500-7	AS 1831
2	Disc	Cast Disc WCB EPDM encapsulated	ASTM A216 AS 1646
3	Stem Nut	DR Brass C48600	AS 1565
4	Stem	Stainless Steel Gr 431	ASTM A276
5	Bonnet O-Ring	NBR	AS 1646
6	Bonnet/Body Bolts	Stainless Steel Gr 316	ASTM A276
7	O-Ring Seals	NBR	AS 1646
8	Bushing	DR Brass C48600	AS 1565
9	Dust Cover	EPDM	AS 1646
10	Stem Cap	Ductile Iron Gr 500-7	AS 1831
11	Thrust Collar	Stainless Steel Gr 304	ASTM A276
12	Bonnet	Ductile Iron Gr 500-7	AS 1831
13	Studs, Nuts, Washers	Stainless Steel Gr 316	ASTM A276

DIMENSIONS

INLET FLANGE	OUTLET FLANGE	L1	L2	L3	H1	H2	WEIGHT kg	ACC	CC
PN16 DN 80-100 Slotted	PN16 DN 80	86	164	73	210	126	18	VHIV08	VHIV08C
PN16 DN 80-100 Slotted	PN16 DN 100	86	164	86	210	126	20	VHIV10	VHIV10C
PN35 DN 80-100 Slotted	PN35 DN 80	103	164	103	210	126	23	VHIV08H	VHIV08HC
PN35 DN 80-100 Slotted	PN35 DN 100	115	164	115	210	126	27	VHIV10H	VHIV10HC

CIVIL PIPE SUPPLIES

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