

SUREFLOW[®] SPRING HYDRANT VALVES

DN 80 & DN 100

DESIGNED AND MANUFACTURED TO AS 3952



Ductile Iron body and yoke for high strength and impact resistance

Dezincification resistant (DZR) copper alloy dome for long life operation

Removable internal components to allow direct full bore access to the pipeline for insertion and removal of swabs for scouring purposes

Extra thick seat gasket to provide improved perforation resistance and reduced maintenance requirements

Thermal bonded polymeric coating for long life corrosion protection

Corrosion resistant components for long life operation

O-ring located on fasteners to ensure they remain in place when the yoke is removed

Dust cap fitted to each hydrant to prevent ingress of dirt into the seat area

Lilac, colour coded model for recycled water application

DESCRIPTION

SUREFLOW spring hydrant valves are designed and manufactured to AS 3952
DN 80 and DN 100

GENERAL APPLICATION

SUREFLOW Spring Hydrant Valves provide direct access to water pipelines for fire fighting purposes. Access is gained by the attachment of a standpipe to the hydrant lugs

The hydrant valve can also be used as a scouring or flushing point

TECHNICAL DATA

Allowable Operating Pressure 1600 kPa

Seat Infiltration Resistance
55 kPa (vacuum)

Maximum Temperature 60°C

End Connections
Flanged to AS 4087 Fig B5,
DN 80 and DN 100

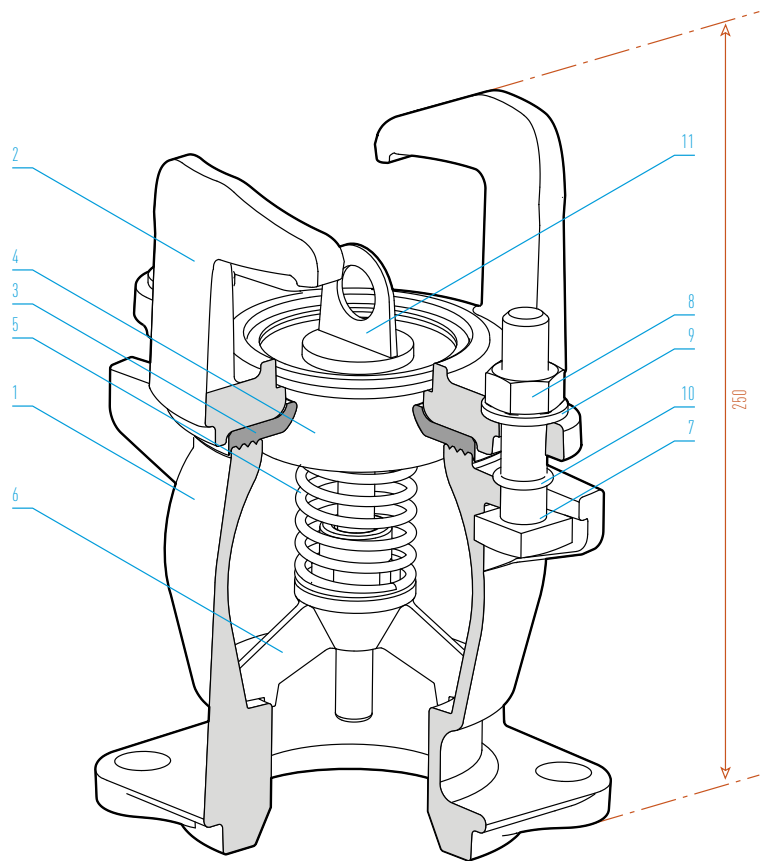
Certification
ISC AS 3952:2002 Certified Product
Licence No. PRD/R61/0412
AS/NZS 4020
Testing of products for use in
contact with drinking water



SUREFLOW® SPRING HYDRANT VALVES

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PARTS LIST

No	Description Material / Standard
1	Body Ductile Iron / AS 1831 400-15
2	Yoke Ductile Iron / AS 1831 400-15
3	Gasket EPDM rubber / AS 1646
4	Dome DR copper alloy / AS 1568 C48600
5	Spring Stainless steel / ASTM A276 304
6	Spring support Stainless steel / ASTM A276 316
7	Bolt Stainless steel / ASTM A276 316
8	Nut Stainless steel / ASTM A276 316
9	Washer Stainless steel / ASTM A276 316
10	O-ring Nitrile rubber / AS 1646
11	Dust cap UV stabilised polyethylene

SUREFLOW SPRING HYDRANT VALVES

Nominal Size. DN	Product Code	Weight. kg
80	SHAC008S7	8.5
100	SHAC010S7	9.5

SUREFLOW SPRING HYDRANT VALVES WITH LILAC COATED LUGS

Nominal Size. DN	Product Code	Weight. kg
80	SHAC008S7L	8.5
100	SHAC010S7L	9.5



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SPRING HYDRANT SWAB TYPE PN 16 - DN 80 TO DN 100

DESIGNED AND MANUFACTURED TO AS 3952 & AS 4087

DN 80-100



Removable insert for swabbing



Purple Yoke for recycled water systems

DESCRIPTION/APPLICATION

For water and neutral liquid applications -
SWAB design to allow for direct full bore
access to the pipeline for insertion/removal

TECHNICAL DATA

Size Range DN 80 - DN 100
Allowable Operating Pressures
DN 80 - DN 100-1600kPa
Valve designed for use up to 70°C
Where applicable; for AS 4020 compliance,
max temp = 40°C

Note: Always observe pipe material
recommended operating temperatures.
Insulation essential for installations subject
to temperatures of 0°C and lower. for use up
to 70°C

End Connections
Flange and drilling to AS 4087 Fig. B5, DN 80
or DN 100



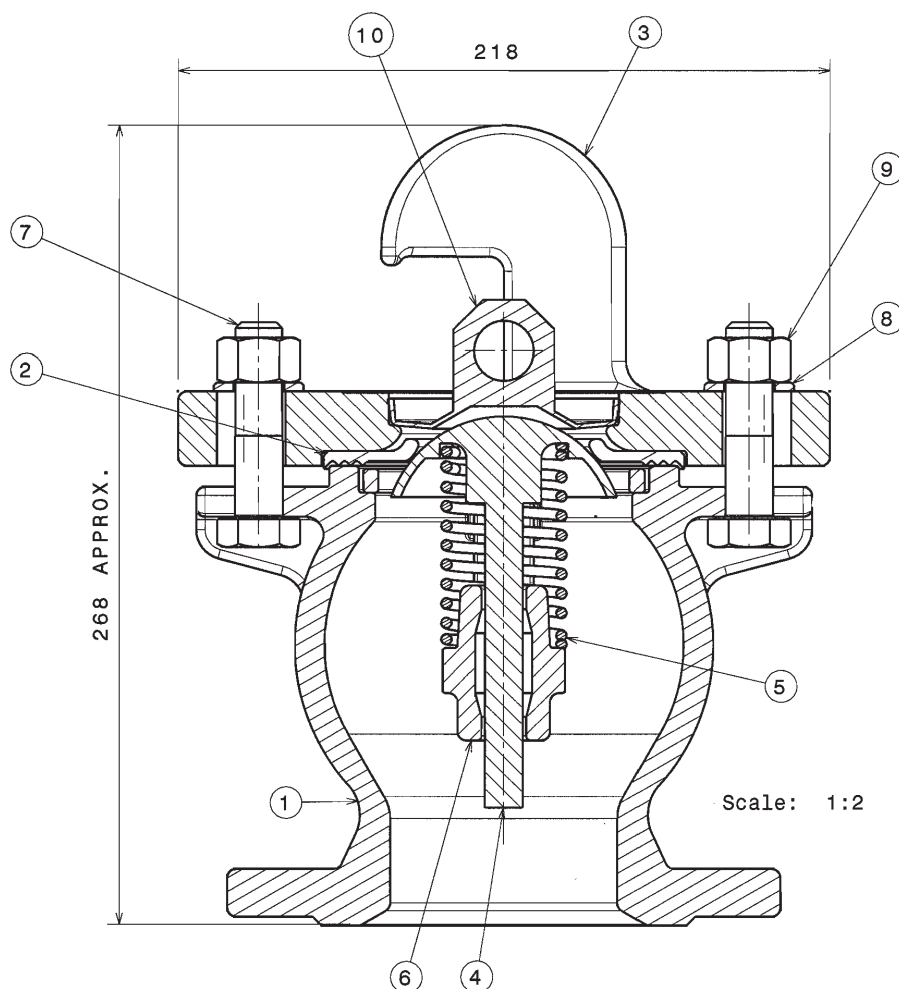
Certifications
HDAS3952:2002
Lic. SMKP20156

Disclaimer: Products in this specification manual must by regulation be installed by licensed and registered trade people. The manufacturer/distributor reserves the right to vary specifications or delete models from their range without prior notification. Dimensions and set-outs listed are correct at time of publication however the manufacturer/distributor takes no responsibility for printing errors. Dimensions shown are nominal sizes only.



SPRING HYDRANT SWAB TYPE PN 16 - DN 80 TO DN 100

DESIGNED AND MANUFACTURED TO AS 3952 & AS 4087



COMPONENT LIST

No	Description Material / Standard
1	Body Ductile Iron Gr. 450-10 AS 1831
2	Valve Seat EPDM AS 1646
3	Yoke Ductile Iron Gr. 450-10 AS 1831
4	Dome Brass AS 1568
5	Spring Stainless Steel Gr. 304 ASTM 276
6	Valve Guide
7	Bolt Stainless Steel Gr. 316 to ASTM 276
8	Washer Stainless Steel 431
9	Nut Stainless Steel Gr. 316 to ASTM 276
10	Plug Polyethylene - PE-HD
Coating Electrostatically applied epoxy resin - internally and externally to AS/NZS 4158	

TESTS

Hydraulic test to AS 3952:

Seat: 1.1 x PN
Body: 1.5 x PN

REFERENCE NOS. AND DIMENSIONS- FLANGE AND DRILLING TO AS 4087 FIG. B5, DN 80 OR DN 100

SWAB- Blue Yoke	DN mm	H mm	L mm	L1 mm	Weight kg
SHAC008S7KSWAB	80	268	218	185	12.45
SHAC010S7KSWAB	100	268	218	215	14.25
SWAB- Purple Yoke	DN mm	H mm	L mm	L1 mm	Weight kg
SHAC008S7KSWABL	80	268	218	185	12.45
SHAC010S7KSWABL	100	268	218	215	14.25