



PN16 Spring
Hydrant Valves
DN80 - DN100



Series: VSH16



Australian
Standard
AS 3952
Lic SMKP 21749

Product Description

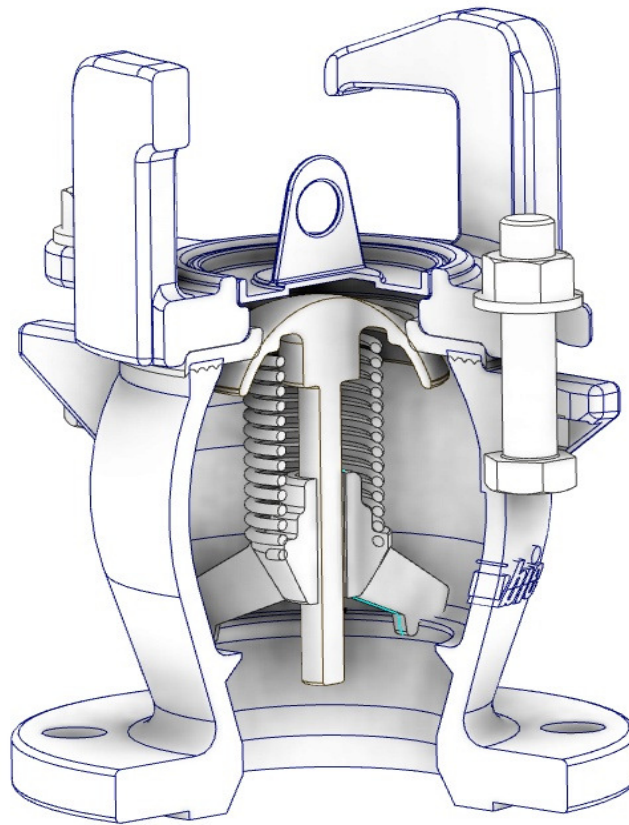
Dobbie Spring Hydrants are designed, manufactured and certified to AS 3952. They are designed to be robust and corrosion resistant and are engineered for superior proficiency with minimal maintenance obligations.

They lead the market in design, durability and performance.

Dobbie Spring Hydrants provide direct access to public water main pipelines for fire-fighting and other water supply purposes. Fire fighters access the pipeline by attaching an approved Standpipe to the spring hydrant valve via the clutch locking lugs. Hydrant Standpipes are manufactured in either aluminium or gunmetal and incorporate a threaded spindle with a tee handle. Rotation of the handle lowers the spindle, engaging a concave cup piece onto the plug surface. This depresses the plug against spring pressure which facilitates water flow.



Storz S/H Standpipe



3D Sectional View of Spring Hydrant Valve

Alternatively, spring hydrants may also be utilised by Statutory Water Authority personnel or authorised contractors as flushing or scouring points. This is especially common in pre-release residential sub-divisions or where water mains have undergone repair work. Statutory Water Authorities also permit access to public water mains by licensed contractors. These contractors, who extract water from the pipeline for various industrial / commercial purposes, do so through the utilisation of metered standpipes which record water consumption.

The manufacture of Dobbie Spring Hydrants is overseen by a robust QA procedure and are all individually tested for performance compliance right here in Perth, Western Australia, guaranteeing the highest quality product.

Features

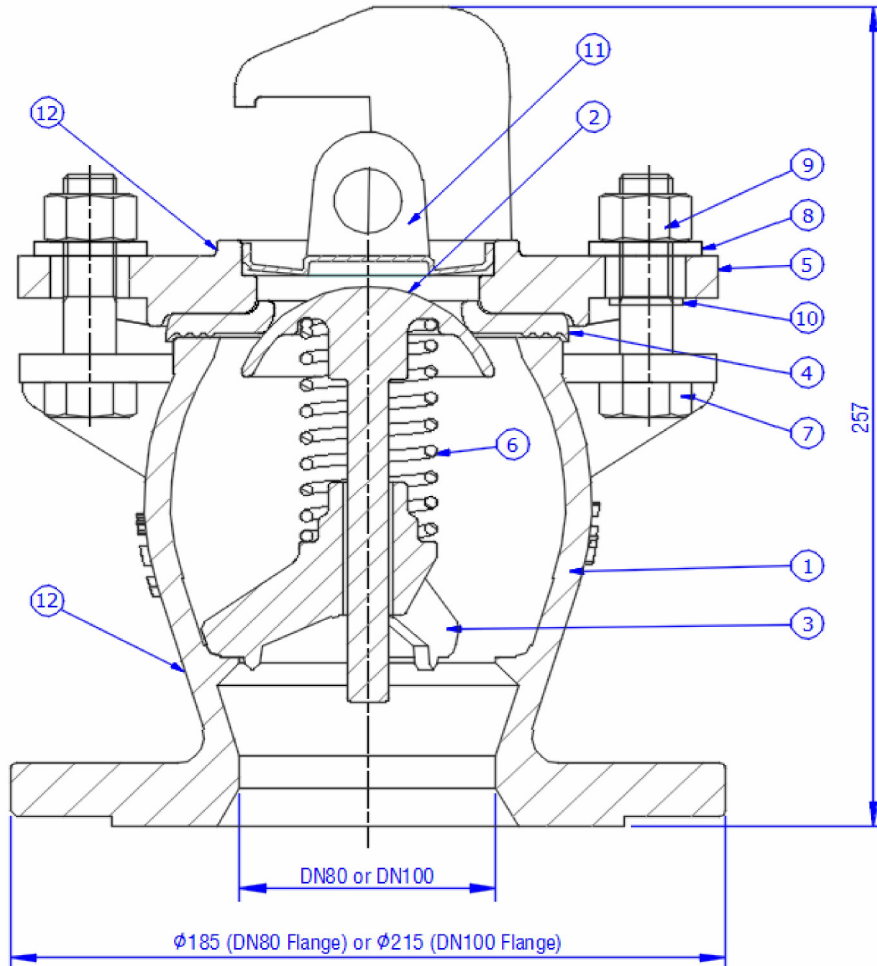
- High strength, superior grade ductile iron body and clutch construction
- High strength forged bronze plug
- Extra mass, high density EPDM seal
- High impact and corrosion resistant components throughout
- Detachable internal plug guide permits full bore access
- Thermally bonded polymeric coating provides excellent corrosion and abrasion resistance
- AS/NZS 4020 approval for compatibility with potable (drinking) water
- Provides strength, durability and low maintenance
- Theft and vandal resistant
- Dust cap prevents ingress of dirt, debris, insects and rodents into sealing space



Technical Data

Certification - Manufacture	AS 3952 - SMKP 21749
Certification - Coating	AS/NZS 4020
Size range	DN80 - DN100
Pressure rating	PN16 (1600kPa)
Operating Temperature	80° Celsius
Flowrate @ 200kPa	25.8 l/s
Flange drilling	AS 4087 - CL16

Technical Specifications & Dimensions



Materials & Part Listing

No.	Description	Material	Specifications
1	Body	Ductile Iron	AS 1831 400-12
2	Plug	Bronze - Forged	AS 1568 C48600
3	Guide	Stainless Steel	ASTM A743 CF8
4	Seal	EPDM	AS 1646 67-73 IRHD
5	Clutch	Ductile Iron	AS 1831 400-12
6	Spring	Stainless Steel	ASTM A276 #304
7	Bolt: M16	Stainless Steel	ASTM A276 #316
8	Washer: M16	Stainless Steel	ASTM A276 #316
9	Hex Nut: M16	Stainless Steel	ASTM A276 #316
10	O Ring	Nitrile	AS/NZS 4020
11	Dust Cap	ABS	
12	Coating	TB Polymeric	AS/NZS 4158 & AS/NZS 4020

Dobbie - Eastern Region

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