



*PN16 Underground (Screwdown)
Hydrant Valves - WA
DN100*



Series: VUH16

Product Description

Dobbie Underground (Screwdown) Hydrants are designed, manufactured and certified to AS 3952 and are exclusively produced for the Western Australian civil water infrastructure market. They are designed to be robust and corrosion resistant and are engineered for superior proficiency with minimal maintenance obligations. They are fully Water Corporation approved.

They lead the market in design, durability and performance.

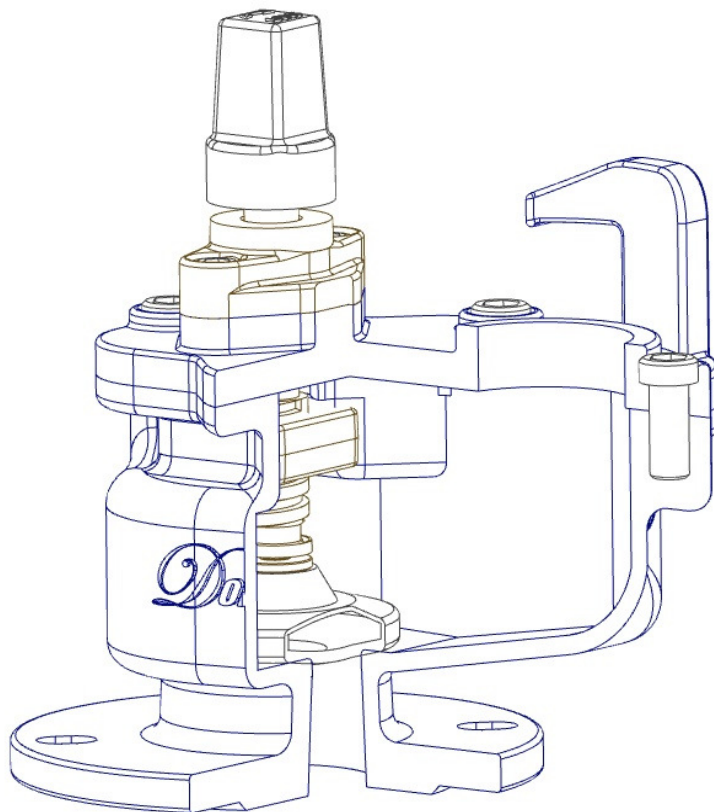
Dobbie Underground (Screwdown) Hydrants provide direct access to public water main pipelines for fire-fighting and other water supply purposes. Fire fighters access the pipeline by attaching an approved Standpipe to the hydrant valve via the clutch locking lugs. Hydrant valve actuation occurs through the engagement of a Hydrant / Standpipe Key which, through rotation, facilitates water flow.



Standpipe Key



BIC Standpipe



3D Sectional View of Underground (Screwdown) Hydrant Valve

Alternatively, underground 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 Underground 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

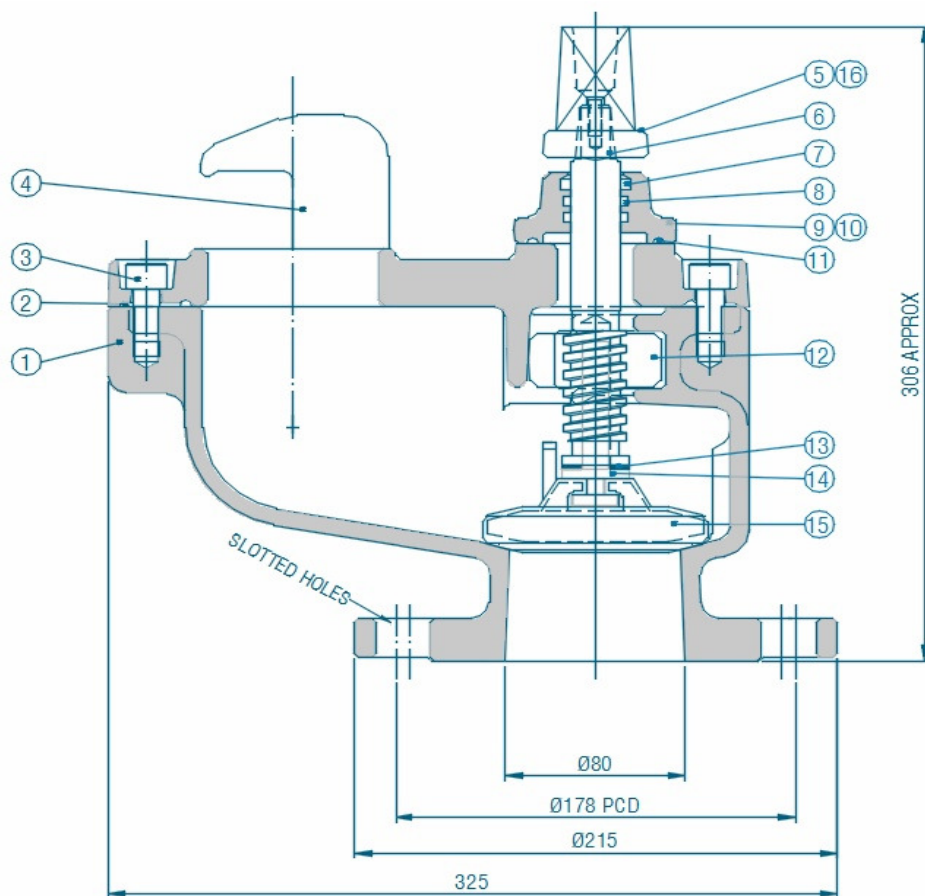
- High strength, superior grade ductile iron body and clutch construction
- Clockwise Closing (CC) spindle with ductile iron key cap
- High strength ductile iron jumper seal fully encapsulated with EPDM
- Extra mass, high density EPDM seal
- High impact and corrosion resistant components throughout
- Thermally bonded polymeric coating provides excellent corrosion and abrasion resistance
- AS/NZS 4020 approval for compatibility with potable (drinking) water
- Design accommodates replacement of spindle seal O-rings while closed and the water main under operating pressure
- Hydrant clutch is integral with the cover and can be replaced with the hydrant closed and the water main under operating pressure
- Provides strength, durability and low maintenance
- Theft and vandal resistant



Technical Data

Certification - Manufacture	Water Corporation SPS - 292
Certification - Coating	AS/NZS 4020
Size range	DN100
Pressure rating	PN16 (1600kPa)
Operating Temperature	80° Celsius
Flowrate @ 300kPa	38.6 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	Gasket	EPDM	C48600 AS 1646
3	Socket Head Cap Screws	High Tensile	10.9 AS/NZS 4020
4	Clutch	Ductile Iron	AS 1831 400-12
5	Key Cap	Ductile Iron	AS 1831 400-12
6	Spindle	Stainless Steel	ASTM A276 #316
7	Wiper Seal	Nitrile	AS/NZS 4020
8	O-Ring	Nitrile	AS 1646
9	Gland	Gunmetal	AS 1568 C48600
10	Socket Head Cap Screw	High Tensile	10.9 AS/NZS 4020
11	Gasket	EPDM	AS 1646
12	Nut	Gunmetal	AS 1831 C48600
13	Washer	UHMWPE	AS/NZS 4020
14	Jumper Rod	Gunmetal	AS 1831 C48600
15	Plug	Ductile Iron / EPDM	AS 1831 400-12 & AS/NZS 4020
16	Socket Head Cap Screw	Stainless Steel	ASTM A276 #316