



WSAA PRODUCT APPRAISAL CERTIFICATE

Derwent Industries Pty Ltd Derwent Spring Hydrant Valves

This appraisal is for DN 80 PN16 spring hydrant valves, standard and swab version with DN 80, DN 100 or slotted flanges to suit both DN 80 and DN 100 flanged outlets to AS 4087 Fig B5.

This Issue 3 is a replacement for the previous version of the appraisal which reached its 5-year expiry date on 5th June 2023.

A listing of Quality and Product Certification Certificates, details of products and supplier contacts are included in the attached Schedules A, B and C.

Product Category	Spring Hydrants
PA Number:	PA 1510 Issue 3
Supplier	Derwent Industries Pty Ltd
Brand	Derwent
Standards	AS 3952:2002 <i>Water supply - Spring hydrant valve for waterworks purposes</i>
WSAA Product Specification	WSA PS - 267 <i>Hydrants (Spring) for Pressure Applications – Drinking Water and Non-Drinking Water Supply</i>
Issue date	15 April 2024
Expiry date	14 April 2029
Recommendations	It is recommended that WSAA members, subject to any specific requirements of the member, accept or authorise Derwent spring hydrant valves, as detailed in this report, for use in water supply pressure pipelines designed and installed in accordance with applicable WSAA Codes and the manufacturer's requirements.
Disclaimer	The disclaimer on Page 2 explains a number of very important limits on your ability to rely on the information in this Product Appraisal Certificate and the assessment criteria used to underlay it. Please read it carefully and take it into account when considering the content in this Certificate.

1. Disclaimer

This Product Appraisal Certificate (Certificate) is issued by WSAA on the understanding that:

This Certificate applies to the product(s) as submitted in Schedule A. Any changes to the product(s) either minor or major shall void this Certificate.

To maintain the recommendations of this Certificate any such changes shall be detailed and notified to the Product Appraisal Manager for consideration and review of the Certificate including the product appraisal criteria underlying it and appropriate action. Appraisals and their recommendations will be the subject of continuous review dependent upon the satisfactory performance of products.

WSAA reserves the right to undertake random audits of product manufacture and installation. Where products fail to maintain appraised performance requirements the appraisal and its recommendations may be modified and reissued. Certificates will be reviewed and reissued at regular intervals not exceeding five (5) years.

WSAA reserves the right to withdraw this Certificate at any time in its sole and absolute discretion for any reason.

The following information explains a number of very important limits on your ability to rely on the information in this Certificate. Please read it carefully and take it into account when considering the contents of this Certificate.

Any enquiries regarding this Certificate should be directed to the Product Appraisal Manager Phone: 03 8605 7601 email carl.radford@wsaa.asn.au.

1.1. Issue of Certificate

This Certificate has been published and/or prepared by WSAA and nominated Project Manager and peer group of technical specialists (the Publishers).

The Certificate and the underlying product appraisal criteria have been prepared for use within Australia only by technical specialists that have expertise in the function of products such as those appraised in the Certificate (the Recipients).

By accepting this Certificate, the Recipient acknowledges and represents to the Publisher(s) and each person involved in the preparation of the Certificate and product appraisal criteria underlying it that the Recipient has understood and accepted the terms of this Disclaimer.

1.2. Limits on Reliance on Information and Recommendations

1.2.1. Disclaimer of liability

Neither the Publisher(s) nor any person involved in the preparation of the Certificate and product appraisal criteria underlying it accept(s) any liability for any loss or damage suffered by any person however caused (including negligence or the omission by any person to do anything) relating in any way to the Certificate or the product appraisal criteria underlying it. This includes (without limitation) any liability for any recommendation or information in the Certificate or any errors or omissions.

1.2.2. Intellectual Property and other rights

WSAA does not undertake any assessment of whether the importation, manufacture, sale or use of the Product the subject of this Certificate infringes the intellectual property rights or proprietary rights of any person. Recipients of the Certificate should undertake their own assessment of whether (as relevant) the importation, manufacture, sale or use of the relevant Products infringe the intellectual property rights or other proprietary rights of any person. If the Product infringes intellectual property rights or other proprietary rights there is potential for the supply of the Products to be interrupted.

From time to time WSAA and the other Publishers may receive notice of allegations that the importation, manufacture, sale or use of the Product infringes intellectual property rights or other proprietary rights. WSAA's policy is to not refer to such allegations in its Certificate or take any other steps to put Recipients on notice of such allegations. If, however, WSAA becomes aware that the allegations have been admitted or proved in Court, then WSAA may, at its discretion, take such steps as it considers appropriate. As such, Recipients acknowledge, agree and accept that WSAA may have information in its possession about intellectual property rights infringement allegations or other infringement allegations in relation to the Product which are not referred to or disclosed in this Certificate and which are not otherwise communicated to Recipients.

1.2.3. Need for independent assessment

The information and any recommendation contained (expressly or by implication) in this Certificate are provided in good faith (and subject to the limitations noted in this Certificate). However, you should treat the information as indicative only. You should not rely on that information or any such recommendation except to the extent that you reach an agreement to the contrary with the Publisher(s).

This Certificate does not contain all information that a person might require for the purposes of assessing any product discussed or appraised within it. The product appraisal criteria used in preparing this Certificate may not address all relevant aspects of the Product.

Recipients should seek independent evidence of any matter which is material to their decisions in connection with an assessment of the Product and consult their own advisers for any technical information required. Any decision to use the Product should take into account the reliability of that independent evidence obtained by the Recipient regarding the Product. Recipients should also independently verify and assess the appropriateness of any recommendation in the Certificate, especially given that any recommendation will not take into account a Recipient's particular needs or circumstances.

WSAA has not evaluated the extent of the product liability and professional indemnity insurance that the provider of the product maintains. Recipients should ensure that they evaluate the allocation of liability for product defects and any professional advice obtained in relation to the product or its specification including the requirements for product liability and professional indemnity insurance.

1.3. No Updating

Neither the Publisher(s) nor any person involved in the preparation of this Certificate or the product appraisal criteria underlying it [has] [have] any obligation to notify you of any change in the information contained in this Certificate or of any new information concerning the Publisher(s) or the Product or any other matter.

1.4. No Warranty

The Publisher(s) do[es] not, in any way, warrant that steps have been taken to verify or audit the accuracy or completeness of the information in this Certificate, or the accuracy, completeness or reasonableness of any recommendation in this Certificate

QUALITY AND PRODUCT CERTIFICATIONS

Copies of the following quality certificates are available from WSAA.

TABLE A1

DERWENT INDUSTRIES PTY LTD– MANAGEMENT SYSTEMS

17 Metcalf Street Dandenong Vic	
Quality Systems Standard	ISO 9001:2015
Certification Licence No.	QEC 2004
Certifying Agency	SAI-Global
First Date of Certification	8 August 1994
Current Date of Certification	15 July 2022
Expiry Date of Certification	4 July 2024

TABLE A2

DERWENT INDUSTRIES PTY LTD– PRODUCT CERTIFICATION

17 Metcalf Drive Dandenong South VIC	
Product Standard/Spec.	AS 3952:2002
Certificate No.	SMK40418
Issuing Certification Body	SAI Global
First Date of Certification	8 May 2015
Current Date of Certification	14 November 2023
Expiry Date of Certification	4 May 2025



FEATURES

- Ductile Iron Body and Top to AS 1831
- Compression Spring 316 S/S
- Fusion coated for corrosion protection
- Aluminium Bronze Dome to AS 1568
- Anti-Gall Coated 316S/S Nuts and Bolts
- Slotted Flange available



Spring Hydrants

Derwent manufactures Fire Hydrants for the Australian and New Zealand Water Markets. The Hydrants are manufactured in accordance with the relevant standard for the area. Please refer to your local Water Authority to see if the Derwent product is approved in your area



APPLICATIONS

Spring Hydrants are used for either potable (Blue top) or reuse (Lilac top).

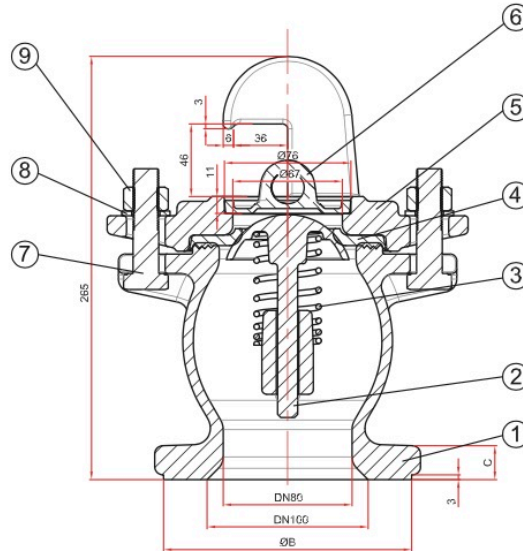
SWAB Hydrants are also available with removable internals to allow main to be swabbed through the Hydrant.

TECHNICAL INFORMATION

Size Range	DN 80 and DN100
DWG No.	1600 kPa; 1.6 Mp
Certification	Australian Standard 3952
Standards Lic. No.	SMK40418

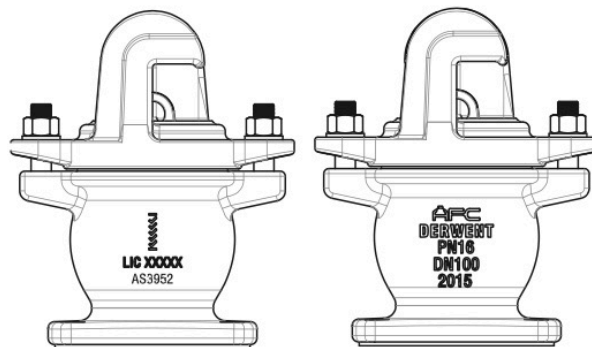
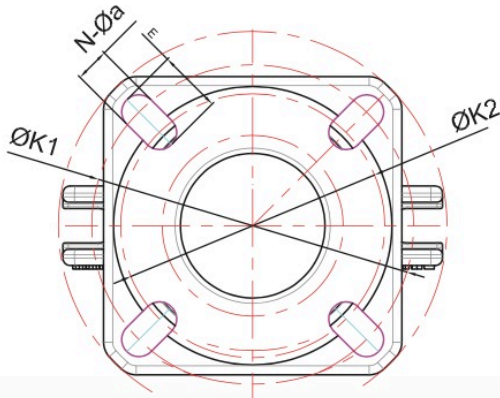


SPRING HYDRANTS



NO.	PART DESCRIPTION	MATERIAL	GRADE OF MATERIAL	STANDARD REF
1	Body	Ductile Iron	GJS 500-7	AS1831
		Epoxy Resin Powder	Drinking Water	AS4158
2	Dome	Aluminium Bronze	C62300	AS1568
3	Helical Compression Spring	Stainless Steel	SS316	ASTM A313
4	Seal Gasket	Synthetic Elastomer	EPDM 67-73 Irhd	AS1646
5	Yoke	Ductile Iron	GJS 500-7	AS1831
		Epoxy Resin Powder	Drinking Water	AS4158
6	Dustseal	Synthetic Elastomer	EPDM 67-73 Irhd	AS1646
7	Hexagon Head Bolts	Anti gall Stainless Steel	SS316	ASTM A276
8	Plain Washers	Anti gall Stainless Steel	SS316	ASTM A276
9	Hexagon Nuts	Anti gall Stainless Steel	SS316	ASTM A276

DIMENSION						
DN	ØB	ØD	ØK	C	N-ØA	E
80	154	215	146	20	4-Ø18	35
100	154	215	178	20	4-Ø18	35



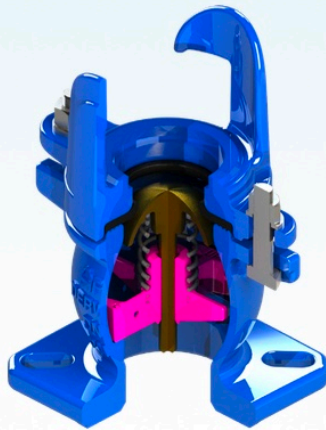
DWG NO: SE-AFC-SFHx-80-100-16-V4



DERWENT FLOW CONTROL

FEATURES

- Ductile Iron Body and Top to AS 1831
- Compression Spring 316 S/S
- Fusion coated for corrosion protection
- Aluminium Bronze Dome to AS 1568
- Anti-Gall Coated 316S/S Nuts and Bolts
- Slotted Flange available



SWAB - Spring Hydrants

Derwent SWAB Hydrants are manufactured to AS 3952-2002 and are available for both water and re-use water applications.



APPLICATIONS

SWAB Spring Hydrants are used where swabbing of the line is required. The top of the Spring Hydrant and internals can be removed to allow for the SWAB to pass through the hydrant.

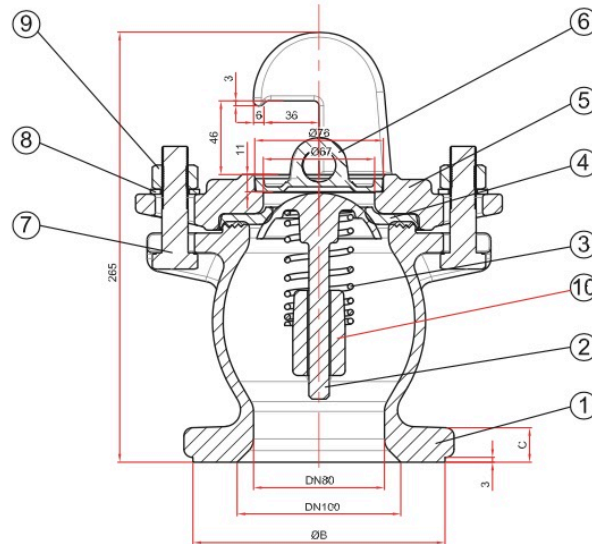
TECHNICAL INFORMATION

Size Range	DN 80 and DN100
DWG No.	1600 kPa; 1.6 Mp
Certification	Australian Standard 3952
Standards Lic. No.	SMK40418



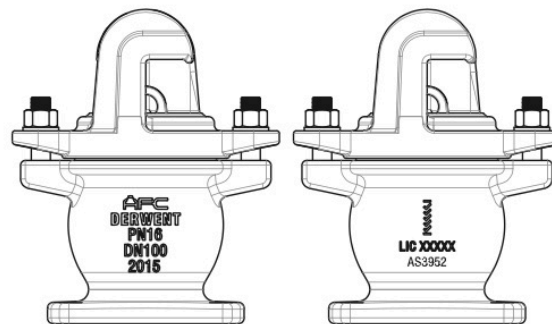
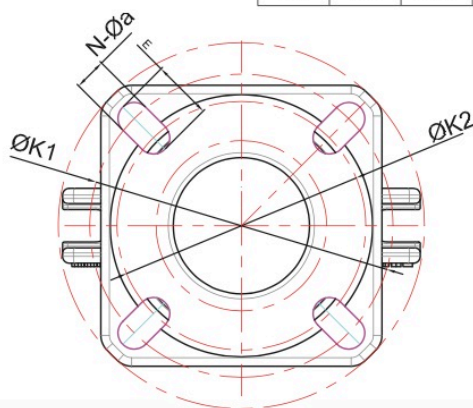


SWAB SPRING HYDRANTS



NO.	PART DESCRIPTION	MATERIAL	GRADE OF MATERIAL	STANDARD REF
1	Body	Ductile Iron	GJS 500-7	AS1831
		Epoxy Resin Powder	Drinking Water	AS4158
2	Dome	Aluminium Bronze	C62300	AS1568
3	Helical Compression Spring	Stainless Steel	SS316	ASTM A313
4	Seal Gasket	Synthetic Elastomer	EPDM 67-73 Irhd	AS1646
5	Yoke	Ductile Iron	GJS 500-7	AS1831
		Epoxy Resin Powder	Drinking Water	AS4158
6	Dustseal	Synthetic Elastomer	EPDM 67-73 Irhd	AS1646
7	Hexagon Head Bolts	Anti gall Stainless Steel	SS316	ASTM A276
8	Plain Washers	Anti gall Stainless Steel	SS316	ASTM A276
9	Hexagon Nuts	Anti gall Stainless Steel	SS316	ASTM A276
10	Removable Guide	Ductile Iron	GJS 500-7	AS1831

DIMENSION		MM				
DN	ØB	ØD	ØK	C	N-ØA	E
80	154	215	146	20	4-Ø18	35
100	154	215	178	20	4-Ø18	35



DWG NO: SE-AFC-SWAB-80-100-16-V4

SUPPLIER CONTACTS

Derwent Industries Pty Ltd

17 Metcalf Drive
Dandenong South Vic 3175

Phone: 03 9793 9054

Email: sales@derwentindustries.com.au

Web: www.derwentindustries.com.au