

## Fluid Controls EMEA



### Product Bulletin

BA295S - Ny version med højere flow karakteristisk (EN12729)  
DZR korrosionsfri messing  
Optimeret serviceprocedure, optimeret farvekode indikation  
Forbedret emballage med hygiejnisk folie indpakning

### Market launch of backflow preventer BA295S & BA295CS



### Contents

1. Summary
2. Product Information

Honeywell confidential and proprietary

3. Competition
4. Sales Strategy
5. Portfolio and pricing
6. Communication Material
7. Technical Documentation
8. Tender Text

Honeywell confidential and proprietary

## 1. Summary

With the introduction of the BA295S we further strengthen our backflow preventer product portfolio. Important issues like flow performance, certifications and user experience are improved compared to the prior BA295.

Backflow preventers are designed for the protection of drinking water systems against back pressure, back flow and back syphonage. They can be used for residential buildings, industrial and commercial purposes within the scope of their specification. Fluids up to and including liquid category 4 according to EN 1717 are protected.

The BA295S project generated a new streamlined class 4 backflow preventer platform, comprising needs of all markets and being highly competitive at the same time.

## 2. Product Information

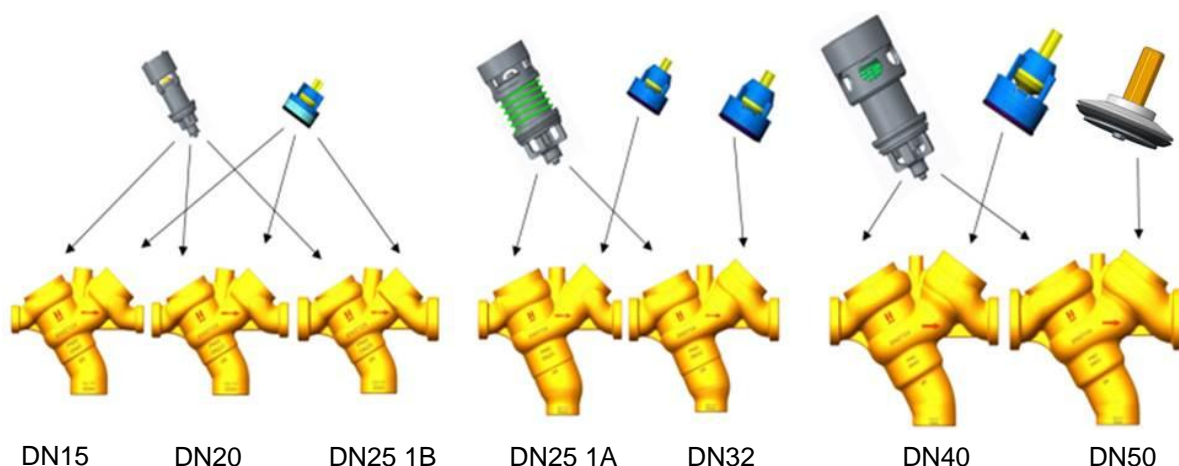
The construction of BA295S is similar to BA295, therefore only the differences will be figured out in this section. Basic information is available in the data sheet.

➤ BA295S is based on 3 different cartridge sizes:

- Small: DN15, DN20 and DN25 1B version (flow less than required in EN12729)
- Medium: DN25 1A version (flow acc. EN12729) and DN32
- Big: DN40 and DN50



The small and big inlet cartridge are reused from the existing BA295, the medium size is a new development to cover flow requirements of EN12729.



There are 5 different sizes for the outlet check valves used.  
 1 for DN15, DN20 and DN25 1B version and  
 1 each for DN25 1A, DN32, DN40 and DN50.

Honeywell confidential and proprietary

➤ Material is changed from red bronze to DZR brass

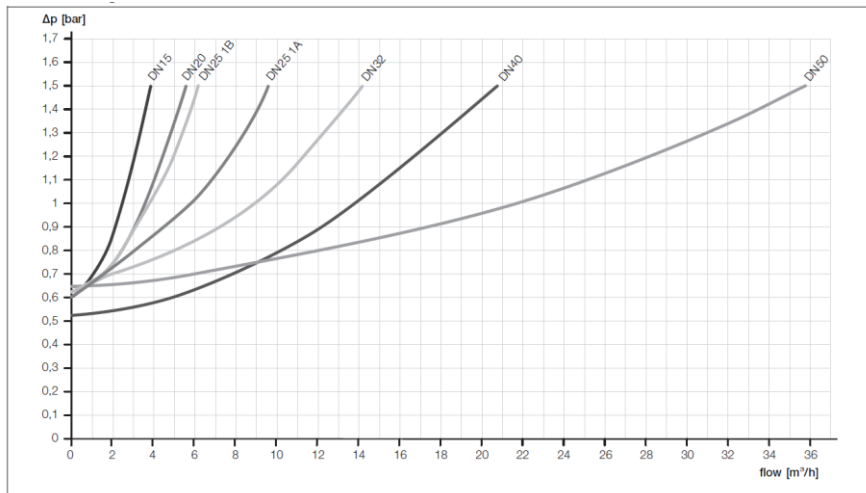
➤ Color coding for test kit connection

The color coded ball valves enable a self-explaining connection of the test kit.



➤ Flow rates acc. EN12729

Flow rates are conform to EN12729. Being conform, BA295S will receive NF approval with the standard version, reducing variants and cost.



| Features                             | Benefits   |
|--------------------------------------|--|
| Conformity with EN12729              | High flow rates, DVGW / NF approval possible with one device |
| Cartridge design platform            | Easy and fast in-line maintenance<br>Less spare parts        |
| Color coding for test kit connection | Easy yearly inspection                                       |

Honeywell confidential and proprietary

## 4. Sales Strategy

EN1717 is winning more and more attention and awareness is increasing all over EMEA. New installations as well as existing ones need to be protected against fluids classes 2-5. Therefore, the total market is growing about 10%+.

Primary target markets are:

Germany

France

UK

Italy

Nordics

**and all other countries enforcing the EN1717.**

Typical applications are:

- Chemical mixing plant
- Chemical cleaning appliances
- Softening and de-acidification plant
- Film development plant
- Galvanic bath
- Boilers and automatic pressure cooker equipment
- Heating filling systems, water with inhibitors
- High pressure cleaners with chemical supplementation
- Swimming pools

## 5. Portfolio and pricing

### Portfolio:

With BA295S, we have a strong BA backflow preventer portfolio covering all sizes from DN10 to DN200 for all common applications.

| Threaded |      |      |      |       |       |      | Flanged |       |      |       |       |       |  |
|----------|------|------|------|-------|-------|------|---------|-------|------|-------|-------|-------|--|
| DN10     | DN15 | DN20 | DN25 | DN32  | DN40  | DN50 | DN50    | DN65  | DN80 | DN100 | DN150 | DN200 |  |
| 3/8      | 1/2  | 3/4  | 1    | 1 1/4 | 1 1/2 | 2    | 2       | 2 1/2 | 3    | 4     | 6     | 8     |  |

Class 4: POU Ind. / Comm.      Res. heating      Class 4: POE - Industrial / Commercial

### Launch dates

Sales prices of BA295S remain the same as for BA295.

| Item         | Description           | SIOP Class | Launch date |
|--------------|-----------------------|------------|-------------|
| BA295S-1/2A  | BACKFLOW PREVENTER BA | A          | 15.10.15    |
| BA295S-3/4A  | BACKFLOW PREVENTER BA | A          | 15.10.15    |
| BA295S-1A    | BACKFLOW PREVENTER BA | A          | 15.10.15    |
| BA295S-1B    | BACKFLOW PREVENTER BA | A          | 15.10.15    |
| BA295S-11/4A | BACKFLOW PREVENTER BA | A          | 15.10.15    |
| BA295S-11/2A | BACKFLOW PREVENTER BA | A          | 15.10.15    |
| BA295S-2A    | BACKFLOW PREVENTER BA | A          | 01.12.15    |

### Spare parts

| Description                           | Item    | SIOP Class |
|---------------------------------------|---------|------------|
| CARTRIDGE INSERT BA295S 1/2",3/4",1"B | 0904141 | W          |
| CARTRIDGE INSERT BA295S 1"A,11/4"     | 0904142 | W          |
| CARTRIDGE INSERT BA295S 11/2",2"      | 0904143 | W          |
| CHECK VALVE BA295S 1/2",3/4",1"B      | 0904144 | W          |
| CHECK VALVE BA295S 1"A                | 0904145 | W          |
| CHECK VALVE BA295S 11/4"              | 0904146 | W          |
| CHECK VALVE BA295S 11/2"              | 0904147 | W          |

Honeywell confidential and proprietary

|                       |         |   |
|-----------------------|---------|---|
| CHECK VALVE BA295S 2" | 0904148 | W |
|-----------------------|---------|---|

All spare parts will be launched on October 15<sup>th</sup> 2015.

## Phase over BA295 → BA295S

| BA295       | BA295S - Replacement | Comment |
|-------------|----------------------|---------|
| BA295-1/2A  | BA295S-1/2A          |         |
| BA295-3/4A  | BA295S-3/4A          |         |
| BA295-1B    | BA295S-1B            |         |
| BA295-11/4A | BA295S-11/4A         |         |
| BA295-11/2A | BA295S-11/2A         |         |
| BA295-2A    | BA295S-2A            |         |
|             |                      |         |

## Approvals

All international approvals will be executed during 2015/2016

GDV approval DK in progress, expected Q1/2016

VA approval DK valid during Q4/2015

## Packaging

BA295S will be delivered with the new Embaflex Inlay in Honeywell red carton box.



- Single unit packed
- Box containing:
  - BA device
  - Tailpieces with sealings
  - Drain funnel
  - Installation instruction

Honeywell confidential and proprietary

- Registration card

## 6. Communication Material

The following communication materials are available:

**Pictures** of BA295S and BA295CS can be found in our media database that can be accessed via the docuserver portal.

[http://160.221.60.206:8082/easydoc\\_docuserver/webgui/rwc/index.php](http://160.221.60.206:8082/easydoc_docuserver/webgui/rwc/index.php)

(then click “Media Database”)

The screenshot shows the Honeywell media database interface. At the top left is the Honeywell logo. On the right, there are links for 'homepage | contact | imprint | imprint'. Below the logo is a search bar containing 'ba295cs', a dropdown menu for 'all categories', another dropdown for 'all keywords', and a 'search' button. There are also flags for German and UK. Below the search bar is a 'Homepage' link and a 'print page' icon. On the left side, there is a 'categories' menu with 'Multimedia', 'Products', and 'Promotion'. Below that is a 'new images' section showing a white camera. At the bottom left is a 'Cart' button. The main content area shows the search results for 'ba295cs' in all categories, displaying '4 results'. Each result is a product image with a title and a set of buttons for 'Original', 'Print', 'Web', 'Presentation', and 'Black/white'. The four results are: BA295CS\_Frontal, BA295CS\_Frontal-freesta..., BA295CS\_Presse, and BA295CS\_Presse-freesta...

Honeywell confidential and proprietary



The **product overview brochure** on backflow preventers EN3H-0729 was updated with BA295S and can be found in our docuserver:

[http://160.221.60.206:8082/easydoc\\_docuserver/webgui/rwc/index.php?curSubFolder=Backflow\\_Preventers%2FASP%20and%20Communication%20Material%2FLiterature/&mode=0](http://160.221.60.206:8082/easydoc_docuserver/webgui/rwc/index.php?curSubFolder=Backflow_Preventers%2FASP%20and%20Communication%20Material%2FLiterature/&mode=0)



## 7. Technical Documentation

The technical documentation are stored in our docuserver: The links direct you to the product group folder in our DocuServer, to guarantee that you get the latest version.

| Type  | Printing number                  |
|---|----------------------------------|
| Installation Instruction<br>BA295S  | BA295S-ii-mu1h1252ge23r0615.pdf  |
| Installation Instruction<br>BA295CS   | ba295cs-mu1h-1254ge23r0715.pdf   |
| <a href="http://160.221.60.206:8082/easydoc_docuserver/webgui/rwc/index.php?curSubFolder=Backflow_Preventers%2FInstallation%20Instructions/&amp;mode=0">http://160.221.60.206:8082/easydoc_docuserver/webgui/rwc/index.php?curSubFolder=Backflow_Preventers%2FInstallation%20Instructions/&amp;mode=0</a> |                                  |
| Product Datasheet<br>BA295C   | ba295S-pd-en0h1252ge23r0815.pdf  |
| Product Datasheet<br>BA295CS  | ba295cs-pd-en0h1254ge23r0815.pdf |
| <a href="http://160.221.60.206:8082/easydoc_docuserver/webgui/rwc/index.php?curSubFolder=Backflow_Preventers%2FProduct%20Data%2F">http://160.221.60.206:8082/easydoc_docuserver/webgui/rwc/index.php?curSubFolder=Backflow_Preventers%2FProduct%20Data%2F</a>   |                                  |

Honeywell confidential and proprietary

## 8. Tender Text

### Honeywell Backflow Preventer BA295S

BA type backflow preventer with three pressure zones for the protection of potable water systems against back pressure, back flow and back syphonage for fluids up to and including liquid category 4 according to EN 1717. The unit must have an integrated inlet strainer with a mesh size of 0.2 mm. The inlet check valve and discharge valve are to be combined in one cartridge. To minimize maintenance efforts, in-line maintenance must be possible and the valve cartridge must be completely replaceable without special tools.

All materials used in contact with medium must be conform with the UBA positive list. The housing must be made of dezincification resistant brass and the construction design must be compact with low pressure loss and high flow rate acc. to EN12729. All three pressure zones must have individual test ball valve mounted on the unit conforming to standards for the periodic inspection.

|                             |   |
|-----------------------------|---|
| Approvals:                  | DVGW, NF, ACS, KIWA, Belaqua, Sintef      |
| Medium:                     | Potable water                             |
| Max. inlet pressure:        | 10.0 bar                                  |
| Min. inlet pressure:        | 1.5 bar                                   |
| Installation position:      | Horizontal with discharge valve downwards |
| Max. operating temperature: | 65°C                                      |
| Discharge pipe connection:  | DN 50 for ½" – 1 ¼", DN70 for 1 ½" – 2"   |
| Nominal diameter:           | 1/2"                                      |
| Connections:                | tailpieces                                |

Make: Honeywell  
Type: BA295S-1/2A

### Honeywell Backflow Preventer BA295CS

BA type backflow preventer with three pressure zones for the protection of potable water systems against back pressure, back flow and back syphonage for fluids up to and including liquid category 4 according to EN 1717. The unit must have integrated shut-off valves and an integrated inlet strainer with a mesh size of 0.2 mm. The inlet check valve and discharge valve are to be combined in one cartridge. To minimize maintenance efforts, in-line maintenance must be possible and the valve cartridge must be completely replaceable without special tools.

All materials used in contact with medium must be conform with the UBA positive list. The housing must be made of dezincification resistant brass and the construction design must be compact with low pressure loss and high flow rate acc. to EN12729. All three pressure zones must have individual test ball valve mounted on the unit conforming to standards for the periodic inspection.

Honeywell confidential and proprietary

|                             |   |
|-----------------------------|---|
| Approvals BA295S            | DVGW, NF, ACS, KIWA, Belaqua, Sintef      |
| Medium:                     | Potable water                             |
| Max. inlet pressure:        | 10.0 bar                                  |
| Min. inlet pressure:        | 1.5 bar                                   |
| Installation position:      | Horizontal with discharge valve downwards |
| Max. operating temperature: | 65°C                                      |
| Discharge pipe connection:  | DN 50 for ½" – 1 ¼", DN70 for 1 ½" – 2"   |
| Nominal diameter:           | 1/2"                                      |
| Connections:                | threaded connectors                       |

Make: Honeywell

Honeywell confidential and proprietary