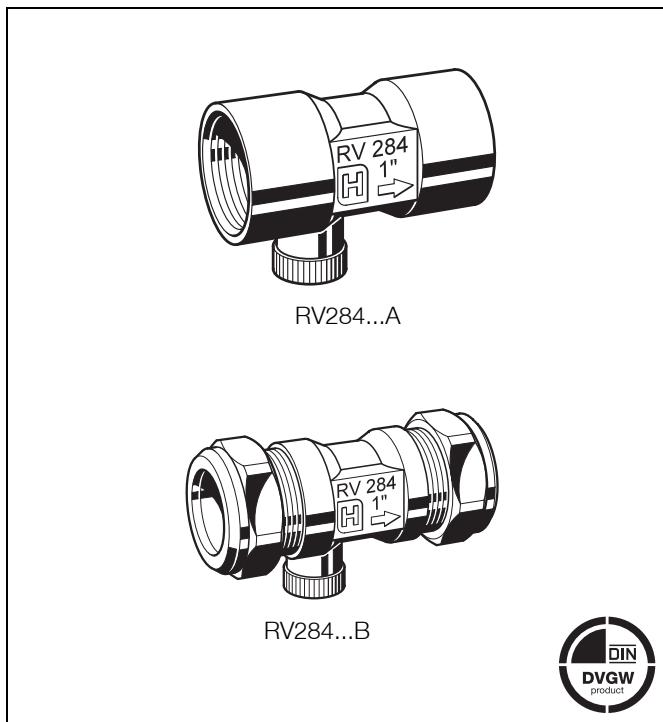


RV284

Controllable anti-pollution check valve EA type

Product specification sheet



Application

Check valves of this type are for use as an independent means of preventing reverse water flow.

They can also be used for industrial, commercial and similar systems where back pressure, back flow and back syphonage must be prevented.

The classifications of appliances to meet these requirements are specified in EN 1717.

Special Features

- DIN/DVGW-approved
- Universal application
- Easy installation
- Low pressure loss
- Quiet operation
- Create no shock pressure loadings

Range of Application

Medium Water

Technical Data

Operating temperature	Up to 70 °C / 167 °F (short term up to 90 °C / 194 °F)
Max. inlet pressure	25.0 bar
Opening pressure	0.05 bar
Connection size	With internal thread 1/2" - 1" With compression connections 15 mm, Ø22 mm and Ø28 mm

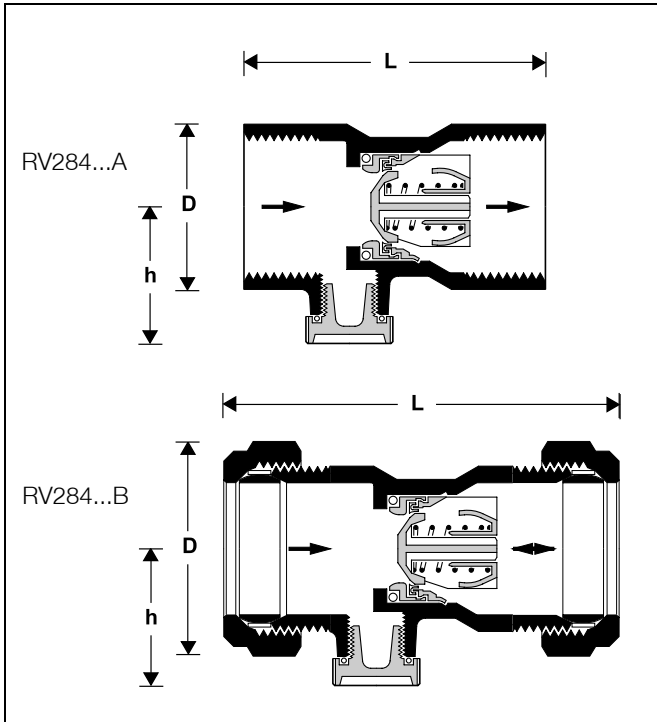
Construction

The check valve comprises:

- Housing
- DVGW-approval check valve cartridge
- Test plug with seal ring

Materials

- Dezincification resistant brass housing
- High grade synthetic material check valve cartridge
- High quality synthetic material test plug
- NBR seal ring



Method of Operation

Spring loaded check valves have a moving seal disc which is lifted off the seat by a greater or lesser amount depending on the flow rate through the valve. If the flow falls towards zero, then the spring pushes the disc back onto the seat and seals the water-way.

To ensure continuing correct function it is recommended that check valves be regularly checked and maintained (as specified in EN 1717).

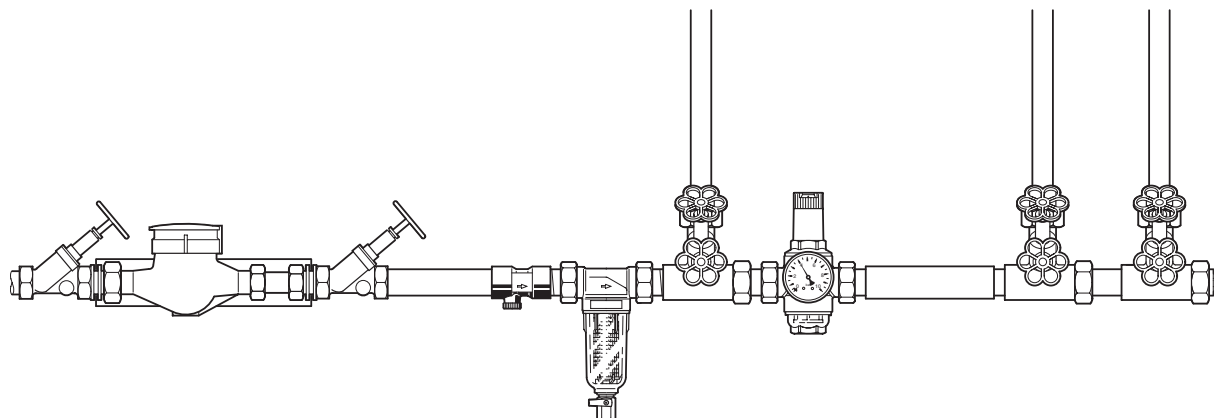
Options

RV284-... A = With internal thread

RV284-... B = With compression connections

└ Connection size

		RV284...A			RV284...B		
Connection size	R	1/2"	3/4"	1"	Ø 15	Ø 22	Ø 28
Weight	approx. kg	0.125	0.168	0.220	0.170	0.260	0.390
Dimensions	mm						
	L	52	63	69	72	84	89
	H	27	33	39	27	29	32
	D	27	29	29	27	36	46
Test and drain plug	R	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
k _{vs} -value	m ³ /h	4.1	8.8	16.5	4.1	8.8	16.5
Nominal flow rate in m ³ /h at Δp = 0.15 bar		1.6	3.4	6.4	1.8	3.4	6.4

Installation Example**Installation Guidelines**

- Install in horizontal pipework with test and drain plug downwards
 - This position is best for draining
- Install shutoff valves
 - Shutoff valves provide optimal serviceability
- Ensure good access
 - Simplifies maintenance and inspection
- Install right after water meter if applicable
 - Protects against backflow from water systems

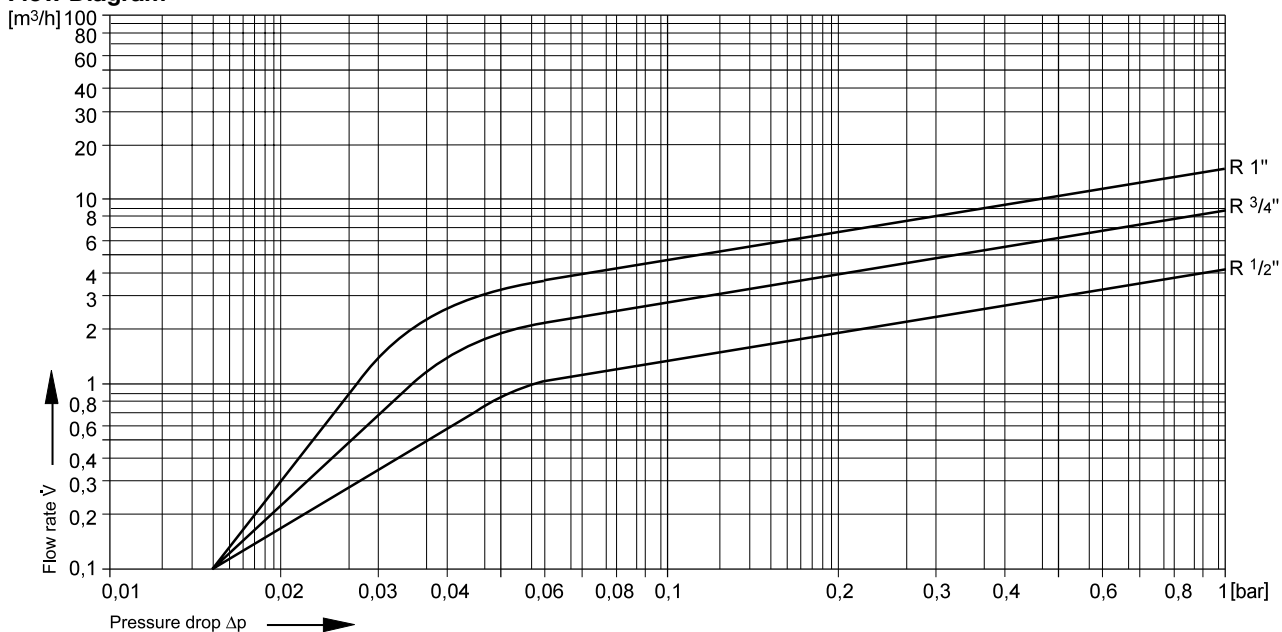
Typical Applications

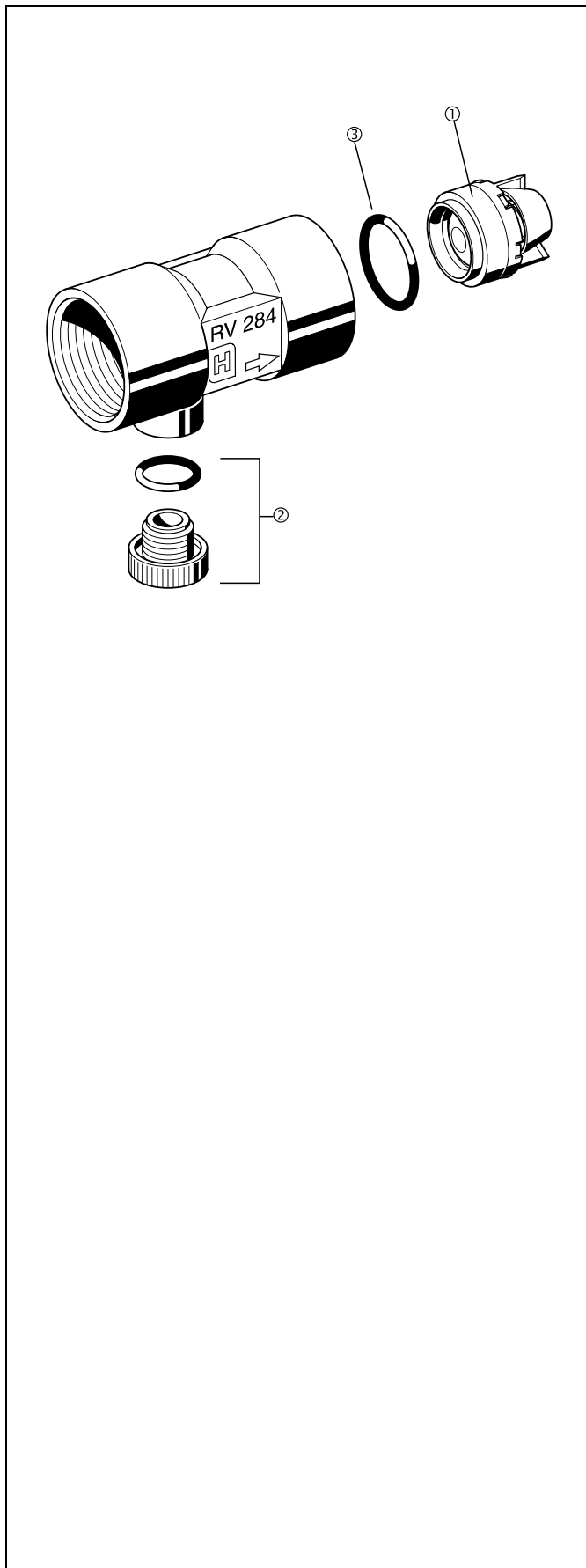
Check valves of this type are suitable for use as a safety device on water installations as specified in EN 1717.

They can also be used within the scope of their specification.

The following are some typical applications:

- In central water supply systems
- After a water meter
- As a safety device up to liquid category 2 of EN 1717

Flow Diagram



Spare Parts

Inlet check valve RV284, from 1997 onwards

No.	Description	Dimension	Part No.
①	Check valve cartridge	1/2"	2166200
		3/4"	2110200
		1"	2164400
②	Blanking plug with O-ring R ¹ / ₄ " (5 pcs.)	all	S06K-1/4
③	Seal ring (10pcs.)	3/4"	0901444
		1"	0901445

Automation and Control Solutions

Honeywell GmbH
 Hardhofweg
 D-74821 Mosbach
 Phone: (49) 6261 810
 Fax: (49) 6261 81309
<http://europe.hbc.honeywell.com>
www.honeywell.com

Manufactured for and on behalf of the
 Environmental and Combustion Controls Division
 of Honeywell Technologies Sàrl, Ecublens, Route
 du Bois 37, Switzerland by its Authorised Repre-
 sentative Honeywell GmbH
 EN0H-1204GE23 R0206
 Subject to change
 © 2006 Honeywell GmbH

