

## Product Memo

# The new generation, high capacity RA-G valve

- The home owners will appreciate the inconspicuous design.
- All RA sensors fit, which means users have access to a wide range of sensors and will save time when mounting them.
- PN16 – can be installed in high-pressure systems such as high-rise buildings.



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Type	Code no.	Design	Connection ISO 7-1		K <sub>v</sub> values [m <sup>3</sup> /h, p-band [K] <sup>1)2)</sup>					Max pressure [bar]			Max flow temp. °C
			Inlet	Outlet	0.5	1.0	1.5	2.0	K <sub>vs</sub>	Working	Diff. 3)	Test	
RA-G 15	013G1676	Angle	R <sub>p</sub> ½	R ½	0.54	1.07	1.61	2.06	4.30	16	0.2	25	120
	013G1675	Straight			0.51	0.94	1.35	1.63	2.30				
RA-G 20	013G1678	Angle	R <sub>p</sub> ¾	R ¾	0.57	1.11	1.16	2.20	5.01				
	013G1677	Straight			0.54	1.07	1.61	2.06	3.81				
RA-G 25	013G1680	Angle	R <sub>p</sub> 1	R 1	0.59	1.27	1.77	2.41	5.50		0.16		
	013G1679	Straight			0.57	1.16	1.71	2.27	4.58				

Pressure class PN16  
Valves can be renovated with new valve inserts

Mounting instructions on the box  
No maintenance

### High capacity valve RA-G

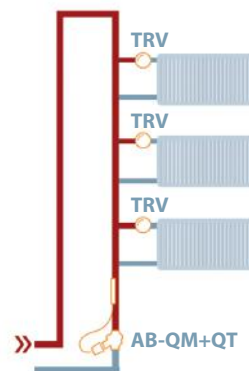


Danfoss' new high capacity valve, RA-G, is primarily designed for One-pipe heating applications.

The valve's inconspicuous design allows it to be incorporated discretely into the installation, which is a feature that home owners will appreciate.

The valve is incorporated in the Danfoss RA-connection, enabling a fast and secure connection to one of the wide range of Danfoss room thermostats.

### Completing Products



#### Danfoss Renovation+ Solution

Danfoss' Renovation+ Solution is a flexible solution for renovating one-pipe heating system with reasonable investment costs and a maximum return on investment – with a 3-year payback time.

The Renovation+ Solution makes it possible to renovate old, one-pipe systems and improve indoor comfort, reduce overheating in buildings, and reduce energy costs. Please contact your local Danfoss Company for more information on the Renovation+ Solution.



**RTD-CB**  
back-flow restrictor



**RTD-BR**  
bypass restrictor

#### Back flow restrictors

In situations with high flow rates and high flow temperatures in One-pipe heating applications, there is always the risk of unintended radiator heat, i.e. the radiator remains warm even if the radiator valve (RA-G) is closed.

This is the result of heat transfer through the metal and back-flow through the return pipe, caused by water circulation in the radiator. The situation with unintended radiator heat can be prevented by using type RTD-CB (back-flow restrictor) and RTD-BR (bypass restrictor).

### Danfoss A/S, Heating Solutions

Hårupvænget 11  
DK 8600 Silkeborg  
Denmark

Please find more information about our products for radiator systems on <http://heating.danfoss.com>

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