

Centra DRG

3-way Mixing Valve

Application

The Centra DRG rotary valves provide water temperature control in heating and air conditioning applications.

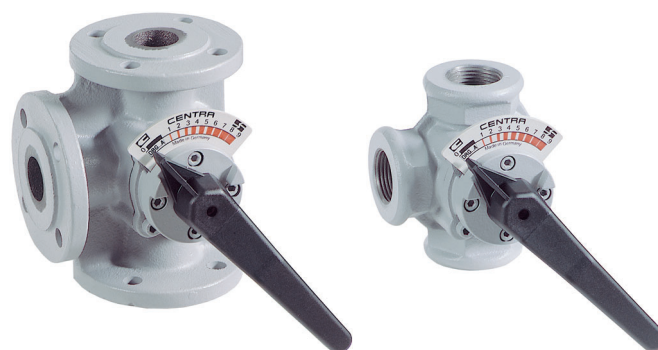
These valves are designed for accurate mixing control of supply water temperature in heating and air conditioning systems.

Its sturdy construction ensures a long and reliable operating life when used in combination with VMM and VRM-N actuators.

The Centra DRG rotary valves are installed so that both inlets flow through the rotary valve at an angle. The supply and return flow can be interchanged.

Special Features

- Cast iron body with flanged end connections (type GFLA)
- Cast iron body with internal threaded end connections (type GMLA)
- Chrome-plated plug for long life
- Optimized characteristic for supply water temperature control
- Protected against corrosion and blocking
- Reliable mounting for electrical actuators
- Clear position indicator
- Wide range of flow rates with suitable actuators



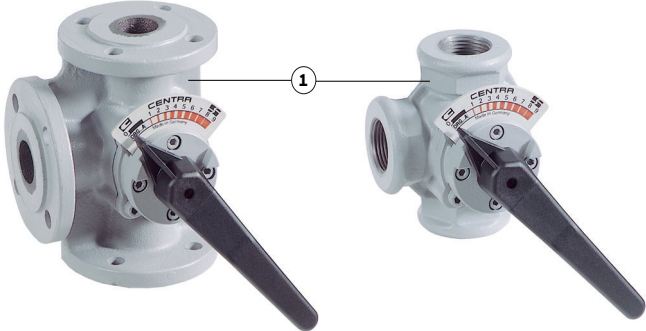
DR-GFLA

DR-GMLA

Technical Data

Nominal static pressure:	6 bar, 600 kPa
Max. pressure drop:	depending on type (see chapter "Ordering Information")
Leakage rate:	1% of kvs
Ports:	Internal threads / flange in accordance with DIN EN 1092-2 depending on type (see chapter "Ordering Information")
Angle of rotation:	90 °C
Internal threads:	8 windings long
Packing:	Double o-ring sealing
Medium:	Heating water according to VDI 2035 (oxygen concentration less than 0.2 g/m ³ , pH 8...9.5), glycol-water mixtures (max. 50 % glycol)
Water temperatures in the valve:	2 to 130 °C, non-condensing
Weight:	depend on type (see chapter "Dimensions")
Flow characteristic:	equal percentage

Construction

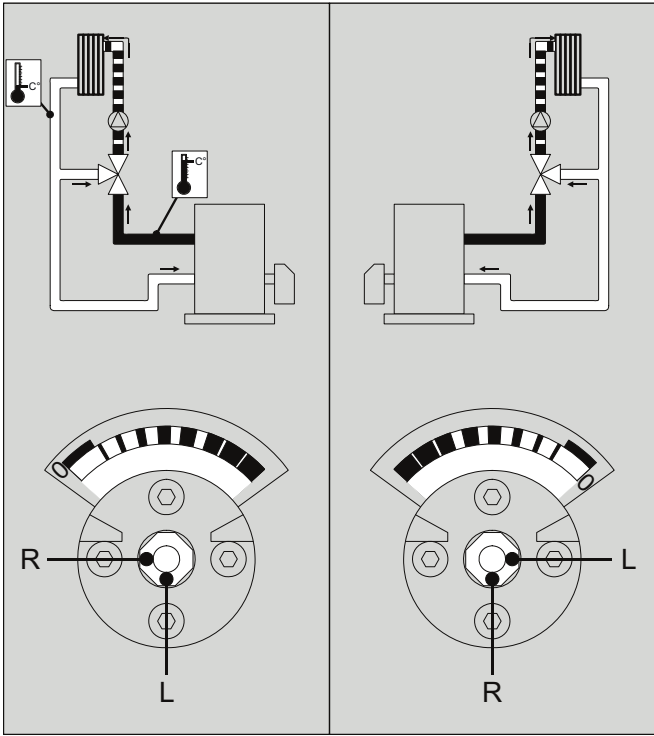
Overview	Components	Materials
	1 Housing	Cast iron
	Not depicted components:	
	Inner parts	Chrome-plated cast iron

Method of Operation

The valve controls a mixing water temperature with a rotating plug. The plug adjusts the water flow of two inputs with two control curves. The required flow water temperature is reached by adding a proportion of return water to the boiler hot water. For optimum control performance, the DRG has special control characteristics.

Installation Guidelines

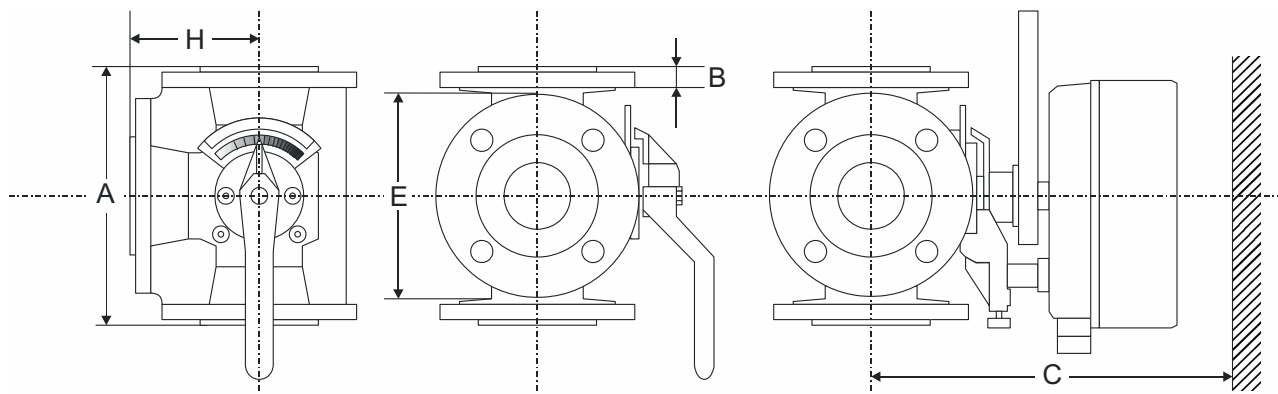
Installation Example



Dimensions

DR-GFLA

Overview

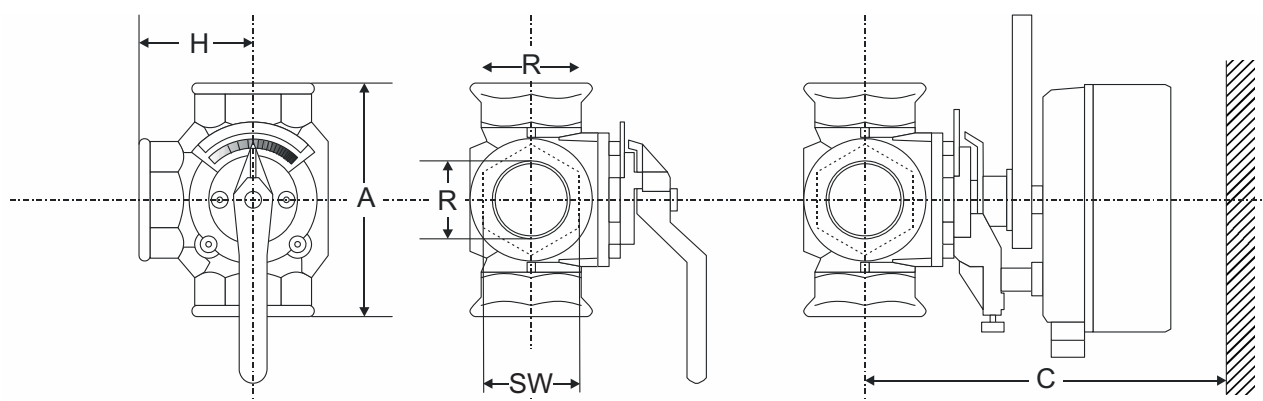


DN	A	B	C	E	H	Net weight	Item No.
20	140	15	230	90	70	3.5 kg	DR20GFLA
25	150	15	230	100	75	4.0 kg	DR25GFLA
32	160	17	240	120	80	6.6 kg	DR32GFLA
40	170	16	240	130	85	7.1 kg	DR40GFLA
50	190	16	250	140	95	9.8 kg	DR50GFLA
65	210	16	270	160	105	12.3 kg	DR65GFLA
80	250	18	270	190	125	21.4 kg	DR80GFLA
100	270	18	290	210	135	26.5 kg	DR100GFLA
125	310	20	320	240	155	42.0 kg	DR125GFLA
150	330	20	325	264	165	49.0 kg	DR150GFLA
200	390	22	365	320	195	78.0 kg	DR200GFLA1
200	390	22	365	320	195	78.0 kg	DR200GFLA

Note: All dimensions in mm unless stated otherwise.

DR-GMLA

Overview



DN	A	C	SW	H	R	Net weight	Item No.
15	110	230	41	55	1/2"	2.2 kg	DR15-2GMLA
15	110	230	41	55	1/2"	2.2 kg	DR15GMLA
20	110	230	46	55	3/4"	2.3 kg	DR20GMLA
25	115	230	50	58	1"	2.4 kg	DR25GMLA
32	140	240	60	70	1 1/4"	4.1 kg	DR32GMLA
40	150	240	65	75	1 1/2"	4.3 kg	DR40GMLA

Note: All dimensions in mm unless stated otherwise.

Ordering Information

The following tables contain all the information you need to make an order of an item of your choice.

Options

DN	kvs [m³/h]	Δp max [kPa]	Nominal torque [Nm]	Item Number	
				Internal thread	Flange
DN 15	2.0	100	10	DR15-2GMLA	-
DN 15	4.0	100	10	DR15GMLA	-
DN 20	6.3	100	10	DR20GMLA	DR20GFLA
DN 25	10	100	10	DR25GMLA	DR25GFLA
DN 32	16	100	10	DR32GMLA	DR32GFLA
DN 40	25	100	20	DR40GMLA	DR40GFLA
DN 50	40	100	20	-	DR50GFLA
DN 65	63	100	20	-	DR65GFLA
DN 80	100	100	30	-	DR80GFLA
DN 100	160	100	30	-	DR100GFLA
DN 125	250	70	30	-	DR125GFLA
DN 150	630	50	30	-	DR150GFLA
DN 200	1000	50	40	-	DR200GFLA1
DN 200	1600	50	40	-	DR200GFLA

Accessories

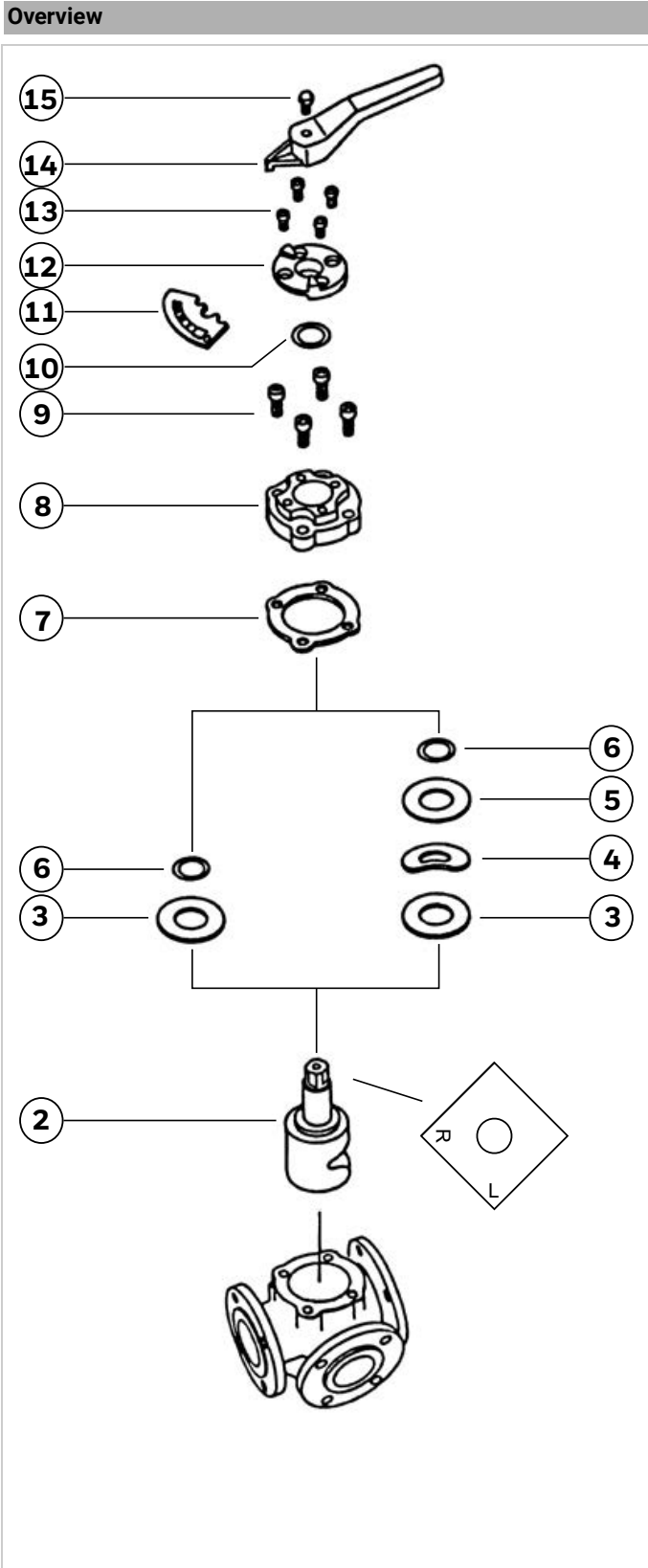
Overview associated actuators

Operation	Control signal		
	230 V AC, Floating	24 V AC, Floating	24 V AC/DC 0/2...10V
Floating or Modulating	VMM20 VMM30 VMM40	VMM20-24 VMM30-24 VMM40-24	VRM10N VRM20N VRM30N VRM40N

	Description		Torque (Nm)	Voltage	Item No.
	VMM	Actuator: 3-point (floating) rotating, 90°			
			20	230 V AC	VMM20
			20	24 V AC	VMM20-24
			30	230 V AC	VMM30
			30	24 V AC	VMM30-24
			40	230 V AC	VMM40
			40	24 V AC	VMM40-24
			40	230 V AC	VMM40F
			40	24 V AC	VMM40-24F
	VRM-N	Actuator: 0/2 - 10 V / modulating, 3-Point (floating), 2-Point rotating, 90°	10	24 V AC/DC	VRM10N
			20		VRM20N
			30		VRM30N
			40		VRM40N

Spare Parts

Rotary valve DRG, from 1988 onwards



	Description	Dimension	Item No.
3, 4, 5, 6, 7, 10	Seal kit* complete		
		DN15 - DN40	019001030
		DN50 - DN65	019001040
		DN80 - DN100	019001050
		DN125 - DN200	019001060
12, 13	O-ring cover with screws		
			030000114
10	O-ring		
			071099535
3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Valve cover* with o-ring and screws		
		DN15 - DN25	030000105
		DN32 - DN40	030000106
		DN50 - DN65	030000107
		DN80 - DN100	030000108
		DN125 - DN200	030000392
2	Rotary plug		
		DN15 (k _{VS} 2.5)	030000404
		DN15 (k _{VS} 4.0)	030000099
		DN20	030000099
		DN25	030000121
		DN32 - DN40	030000100
		DN50	030000101
		DN65	030000102
		DN80	030000103
		DN100	030000104
		DN125	030000387
		DN150	030000389
		DN200	030000496
14, 15	Rotary lever		
		DN15 - DN65	030000115
		DN80 - DN200	030000098
11	Scale		
		DN15 - DN65	030000117
		DN80 - DN125	030000123
16	Mounting bracket		
			030000302
17	Adjusting lever for DR-, ZR-, DRU-, DRR mixing valves		
			030000518
18	Coupling for DR-, DRG-, ZR- mixing valve		
			030000526

* Numbers of components depending on size

resideo

Ademco 1 GmbH, Hardhofweg 40,
74821 MOSBACH, GERMANY
Phone: +49 6261 810

Manufactured for and on behalf of
Pittway Sàrl, Z.A., La Pièce 6,
1180 Rolle, Switzerland
by its authorised representative
Ademco 1 GmbH

Subject to change. EN0H-1700GE23 R0126
© 2026 Resideo Technologies, Inc.
All rights reserved.

For more information
resideo.com

This document contains proprietary information of Pittway Sàrl and its affiliated companies and is protected by copyright and other international laws. Reproduction or improper use without specific written authorization of Pittway Sàrl is strictly forbidden.