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PRODUCT TECHNICAL BROCHURE

BELIMO R6..AO

2-Way Open/Close Ball Valves

DN65 - DN150



For heating and ventilation water circuits

Technical data and product drawings reproduced from supplied datasheet

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BELIMO

R6..AO

2-way Open/Close Ball Valves DN65...150 Open/ Close control in cold and warm water circuits

Applications

For Open/Close cold and warm water circuits in heating and ventilation systems on the water side.



Type overview

Type	kvs [m³/h]	DN [ ]	PN [ ]
R665AO	120	65	16
R680AO	180	80	16
R6100AO	230	100	16
R6125AO	390	125	16
R6150AO	570	150	16

Technical data

Flow medium	Cold and warm water, water with max. 50% volume of glycol	
Temp. of medium	-5...+100°C	
Rated pressure	1600kPa	
Leakage rate	Leakage Rate A, Tight (EN12266-1)	
Pipe connector	Flanged ISO 7005-2	
Differential pressure △Pmax	DN65...125	350kPa (200kPa for low-noise operation)
	DN150	250kPa
Close-off pressure △Ps	DN65...125	700kPa
	DN150	400kPa
Angle of rotation	90°	
Installation position	Upright to horizontal (in relation to the stem)	
Maintenance	Maintenance-free	
Valve Material		
Body	GG25, Polyester coated	
Ball	Stainless steel	
Seat	DN65...125 RPTFE	
	DN150 TFM1600	
Shaft	Stainless steel	
O-ring	EPDM	

Safety notes

- The valve has been designed for use in stationary heating, ventilation and air-conditioning systems and is not allowed to be used outside the specified field of application, especially in aircraft or in any other airborne means of transport.
- Only authorised specialists may carry out installation. All applicable legal or institutional installation regulations must be complied during installation.
- The valve does not contain any parts that can be replaced or repaired by the user.
- The valve may not be disposed of as household refuse. All locally valid regulations and requirements must be observed.
- When determining the flow rate characteristic of controlled devices, the recognised directives must be observed.

R6..AO

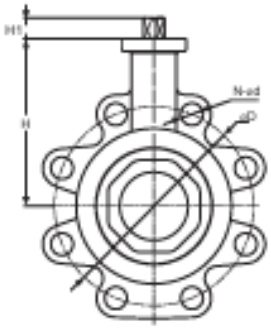
Product features

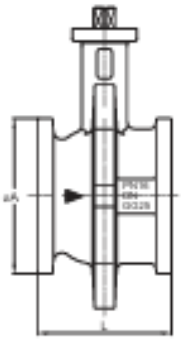
Mode of Operation The open/close ball valve is adjusted by a rotary actuator. The rotary actuator is connected by an open/close signal. Open the ball valve counterclockwise and close it clockwise.

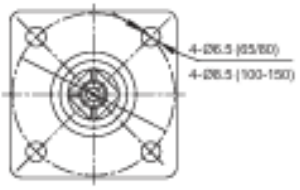
Dimensions [mm]

R6..AO 2-way Ball Valve

Valve type	DN		Dimensions[mm]						Weight [kg]
	mm	In	øA	øD	H	H1	L	N-Ød	
R665AO	65	2½"	105	145	128.0	12.0	93.0	4-18	4.8
R680AO	80	3"	125	160	134.5	12.0	108.0	8-18	7.2
R6100AO	100	4"	148	180	144.0	15.5	120.0	8-18	10.5
R6125AO	125	5"	174	210	158.0	15.5	142.0	8-18	14
R6150AO	150	6"	204	240	176.5	15.5	170.0	8-22	21







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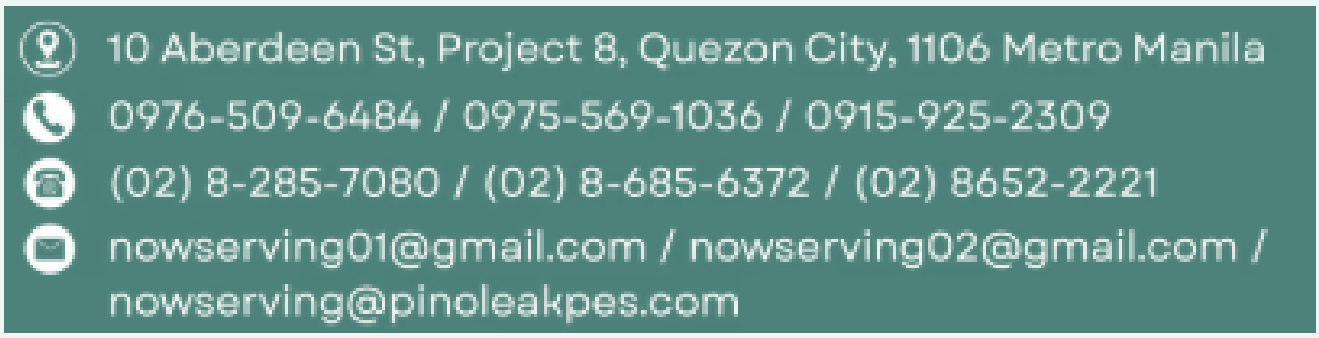

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