ENYECONTROLS



Equal-percentage characteristics for modulating control of cold and warm water Applications

 Water-side control of air handling units in air conditioning systems

2-way Characterised Control Valves DN65...150

· Water-side control in heating systems

Type overview



Technical data

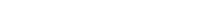
Flow medium	Cold and warm	water, water with max. 50% volume of glycol				
Temp. of medium	-5+100°C					
Rated pressure	1600kPa					
Flow characteristic	Equal percentage					
Rangeability	Sv>100					
Leakage rate	Leakage Rate A, Tight (EN12266-1)					
Pipe connector	Flanged ISO 7005-2					
Differential pressure △Pmax	DN65125	350kPa (200kPa for low-noise operation)				
	DN150	<250kPa				
Close-off pressure $\triangle Ps$	DN65125	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	DN65125 RPTFE					
	DN150 TFM1600					
Shaft	Stainless steel					
O-ring	EPDM					
Characterising disc	Stainless steel					

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.





<u>ENYE</u>CONTROLS

R6..AO



Product features

Mode of Operation

The Characterised Control Valve is operated by a Rotary Actuator. The actuator is controlled by a standard modulating or 3-point control system and drives the ball of the valve - the throttling device - to the opening position dictated by the control signal. Equal-percentage characteristic of the flow rate ensured by the integral characterising disc.

Equal-percentage characteristic

Dimensions [mm]

R6..AO 2-way Ball Valve

Valve type	DN		Dimensions[mm]						Weight
	mm	In	ØA	ØD	н	H1	L	N-ød	[kg]
R664AO	65	21⁄2"	105	145	128.0	12.0	93.0	4-18	4.8
R679AO	80	3"	125	160	134.5	12.0	108.0	8-18	7.2
R6099AO	100	4"	148	180	144.0	15.5	120.0	8-18	10.5
R6124AO	125	5"	174	210	158.0	15.5	142.0	8-18	14
R6149AO	150	6"	204	240	176.5	15.5	170.0	8-22	21

