



**2-way Characterised Control Valves DN65...150**

**Equal-percentage characteristics for modulating control of cold and hot water**



**Applications**

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



**Technical data**

Flow medium	Cold and hot water, water with max. 50% volume of glycol	
Temp. of medium	-5...+100°C	
Rated pressure	1600kPa	
Flow characteristic	Equal percentage	
Rangeability	DN65...80	Sv>50
	DN100...150	Sv>100
Leakage rate	0...0.01% Kvs (ANSI Class IV) (No leakage when ex-factory)	
Pipe connector	Flanged ISO 7005-2, PN16	
Differential pressure $\Delta P_{max}$	350kPa (200kPa for low-noise operation)	
Close-off pressure $\Delta P_s$	DN65...125	700kPa
	DN150	300kPa
Angle of rotation	90°	
Installation position	Upright to horizontal (in relation to the stem)	
Maintenance	Maintenance-free	
<b>Valve Material</b>		
Body	GG25, Polyester coated	
Ball	Stainless steel	
Seat	RPTFE	
Shaft	Stainless steel	
O-ring	EPDM	
Characterising disc	Stainless steel	

**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**

Equal-percentage characteristic of the flow rate ensured by the integral characterising disc.