

# HydroControl VTR

## Double Regulating Valve PN 16 DN 65



Double regulating valve for static hydronic balancing of pipe networks in closed heating and cooling systems. It offers a measuring function via the valve seat, which is, however, closed with a blind plug when delivered.

The HydroControl VTR consists of a Y-pattern body and a valve insert with double O-ring sealing and ergonomically designed handwheel.

### Functions

- Flow regulation
- Reproducible presetting
- Shutoff

### Features

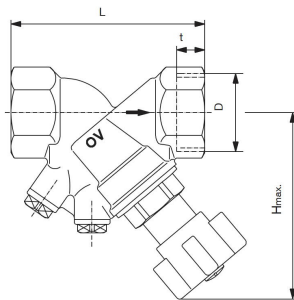
- + High flow rate
- + Robust construction
- + Can be equipped with Classic measuring valves

### Technical data

Nominal size	DN 65
Variant	With internal thread according to EN 10226
Operating temperature	-20 to 150 °C
Operating pressure	max. 16 bar / PN 16
Medium	Heating or cooling water according to VDI 2035 or ÖNORM 5195 Water-glycol mixtures with max. 50 % glycol content
Kvs value	50

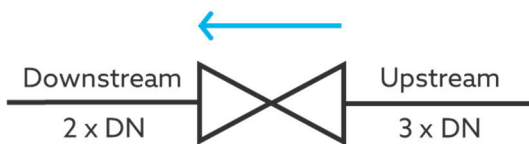
# Product Details

## Dimensions and item numbers



DN	65
D	Rp 2 ½
H	186
L	151
Kvs	50
Item no.	1060120

## Installation



Calming sections of 3 x DN upstream and 2 x DN downstream of the HydroControl VTR should be provided.

The valve must be installed correctly in the flow direction which is indicated by an arrow on the body.

## Kv values

	Decimal point presetting										
	Pre-decimal point	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
<b>1</b>		7.0	7.3	7.6	7.9	8.2	8.5	8.8	9.1	9.4	9.7
<b>2</b>		10.0	10.4	10.8	11.2	11.6	12.0	12.4	12.8	13.2	13.6
<b>3</b>		14.0	14.3	14.6	14.9	15.2	15.5	15.8	16.1	16.4	16.7
<b>4</b>		17.0	17.5	18.5	18.5	19.0	19.5	20.0	20.5	21.0	21.5
<b>5</b>		22.0	22.4	22.8	23.2	23.6	24.0	24.4	24.8	25.2	25.6
<b>6</b>		26.0	26.3	26.6	26.9	27.2	27.5	27.7	27.9	28.1	28.3
<b>7</b>		28.5	28.8	29.1	29.4	29.7	30.0	30.4	30.8	31.2	31.6
<b>8</b>		32.0	32.3	32.6	32.9	33.2	33.5	33.8	34.1	34.4	34.7
<b>9</b>		35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5
<b>10</b>		40.0	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5
<b>11</b>		45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0	49.5
<b>12</b>		50.0	= Kvs								

The kv values apply for use with water in the supply and return if the direction of flow corresponds to the direction of the arrow. For water-glycol mixtures, correction factors may have to be applied.