



NON DETACHABLE ZONE VALVES

Motorized zone valves are designed to work as on-off flow Control as diverting / mixed valves in closed water circuits In heating, air conditioning, solar systems, utilization of river Water resources, etc.



PRODUCT RANGE

FEMALE ZONE VALVES						
	Type	Size	Pipe connection	Micro switch	Article Ref.	EAN
	2 ways	DN 15 (1/2")	1/2" F	NO	30113200	8426562020065
	2 ways	DN 20 (3/4")	3/4" F	NO	30213200	8426562020072
	2 ways	DN 25 (1")	1" F	NO	30313200	8426562020089
	2 ways	DN 15 (1/2")	1/2" F	YES	30123200	8426562020096
	2 ways	DN 20 (3/4")	3/4" F	YES	30223200	8426562020102
	2 ways	DN 25 (1")	1" F	YES	30323200	8426562020119
	3 ways	DN 15 (1/2")	1/2" F	NO	40113200	8426562020126
	3 ways	DN 20 (3/4")	3/4" F	NO	40213200	8426562020133
	3 ways	DN 25 (1")	1" F	NO	40313200	8426562020140
	3 ways	DN 15 (1/2")	1/2" F	YES	40123200	8426562020157
	3 ways	DN 20 (3/4")	3/4" F	YES	40223200	8426562020164
	3 ways	DN 25 (1")	1" F	YES	40323200	8426562020171

MALE ZONE VALVES						
	Type	Size	Pipe connection	Micro switch	Article Ref.	EAN
	2 ways	DN 20 (3/4")	3/4" M	NO	30613200	8426562020188
	2 ways	DN 25 (1")	1" M	NO	30713200	8426562020195
	3 ways	DN 20 (3/4")	3/4" M	NO	40613200	8426562020201
	3 ways	DN 25 (1")	1" M	NO	40713200	8426562020218

ZONE VALVES HIGH Kv						
	Type	Size	Pipe connection	Micro switch	Article Ref.	EAN
	3 ways	DN 25 (1")	1" M	NO	20713900	8426562020256
	3 ways	DN 25 (1")	1" H	NO	20313200	8426562020263



• TECHNICAL SPECIFICATIONS

The Orkli motorized zone valves comply with the requirements of the following Directives:

- Directive: 2014/35/UE (LVD)
- Directive: 2014/30/UE (EMCD)
- Directive: 2014/68/UE (PED)
- Directive: 2011/65/EC (RoHS)

• TECHNICAL DATA

Media	water, glycol solutions
Maximum percentage of glycol	50 %
Minimum fluid temperature	-20 °C
Maximum fluid temperature	160 °C
Maximum ambient temperature	50 °C
Opening time	12 s
Closing time	5 s
Supply voltage	230 V
Consumption	50 Hz 5W
Cable length	60 cm
Maximum static pressure	10 bar

• VALVES

MATERIALS

Body	brass EN 12165 CW617
Spindle	brass EN 12165 CW617
O-rings	EPDM
Spring	stainless steel
Lever	steel
Main support	PPA with F.V.
Cover	PA 6-6

Maximum differential pressure and Q

Size	2 ways		3 ways	
	Δp (bar)	Q (m ³ /h)	Δp (bar)	Q (m ³ /h)
DN 15 (1/2")	1.4	3.6	1.4	4
DN 20 (3/4")	0.7	6.2	0.7	6.4
DN 25 (1")	0.7	6.2	0.7	6.4

Size	3 ways	
	Δp (bar)	Q (m ³ /h)
DN 25 (1") HKv	0.5	8.8

Flow direction:

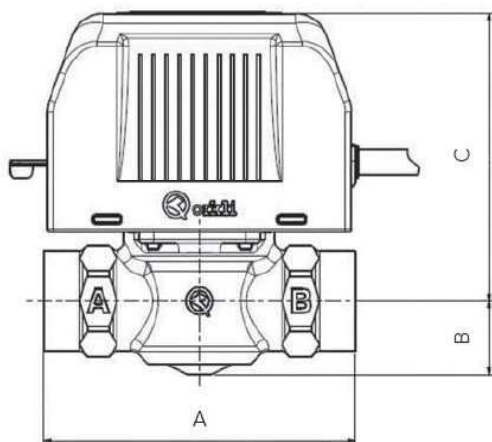
2 ways:	De-energized: Closed Energized: A → B
3 ways:	De-energized: AB → B Energized: AB → A

The valve has a manually operated lever for filling/emptying the circuit, which, when actuated, closes a power-free auxiliary contact.

Attention: We must ensure when actuating it that we do inadvertently activate any device.

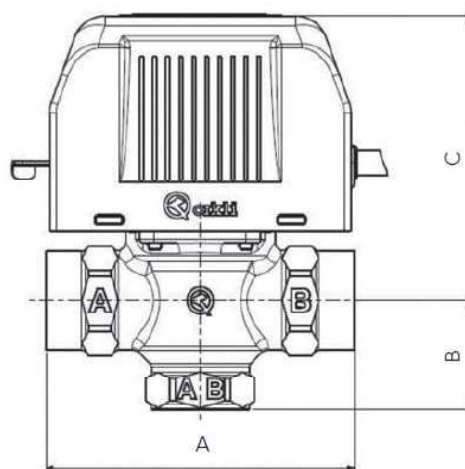
• MAIN MOUNTING DIMENSIONS

2 WAYS

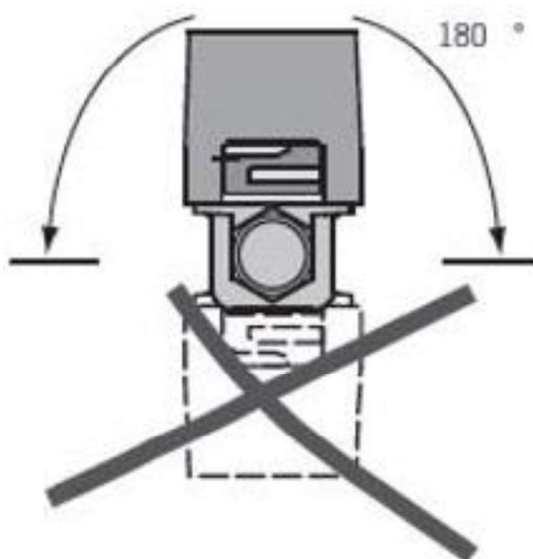
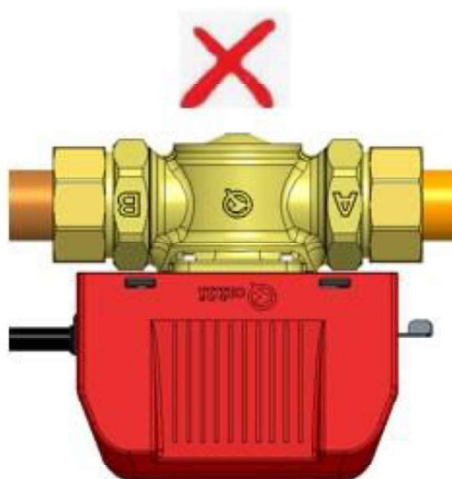
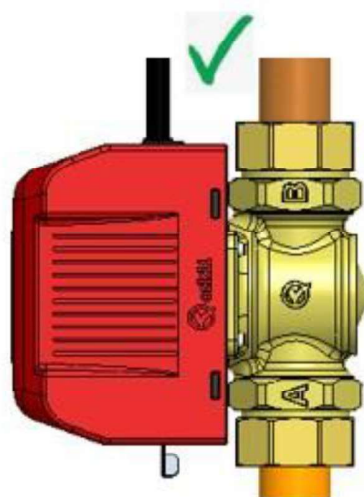
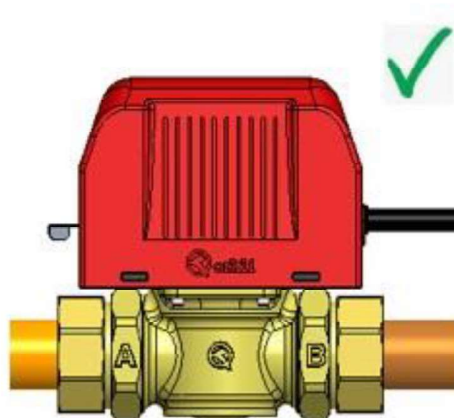
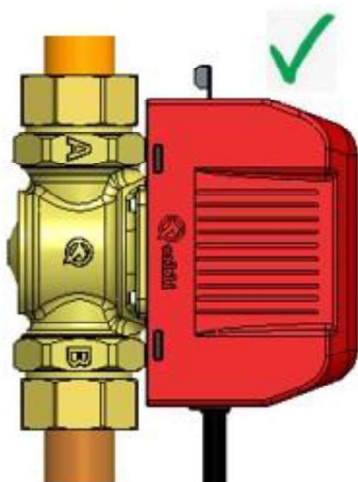


Model	A	B	C
1/2", 3/4" and 1"	94.5	21	87

3 WAYS



Model	A	B	C
1/2", 3/4" and 1"	94.5	33.5	87



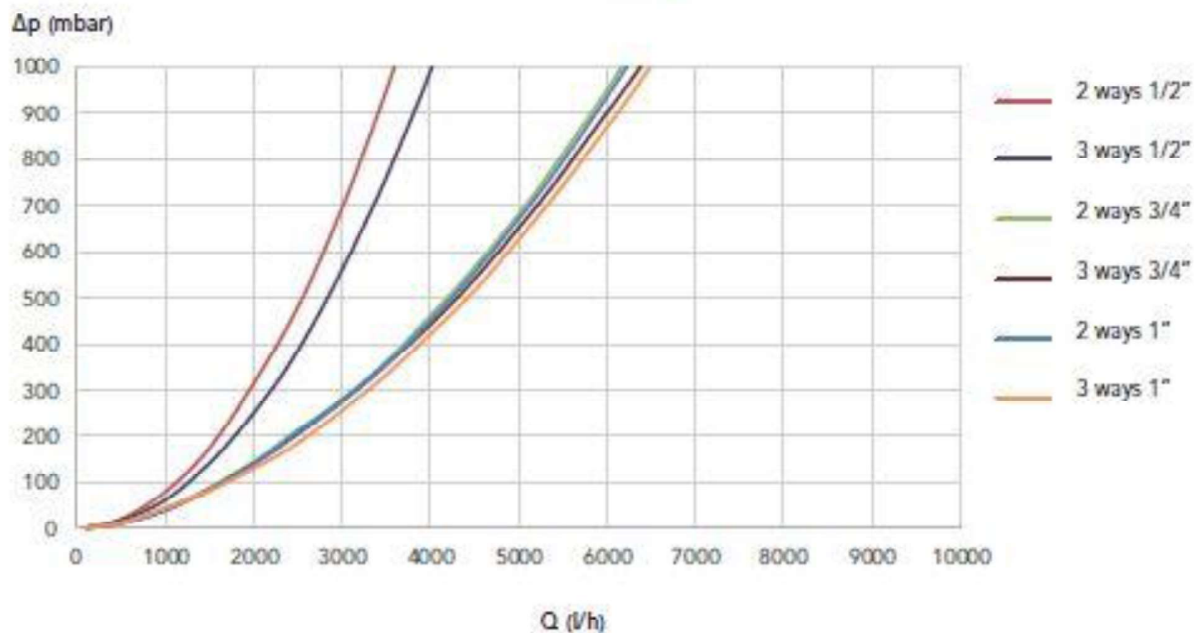
Installations

The most important restriction in the installation of the zone valve is never to mount the motorized control head below the hydraulic part.



• HYDRAULIC CHARACTERISTICS

ZONE VALVES



ZONE VALVES (HKv)

