SIX-WAY

Fitting instruction

Description

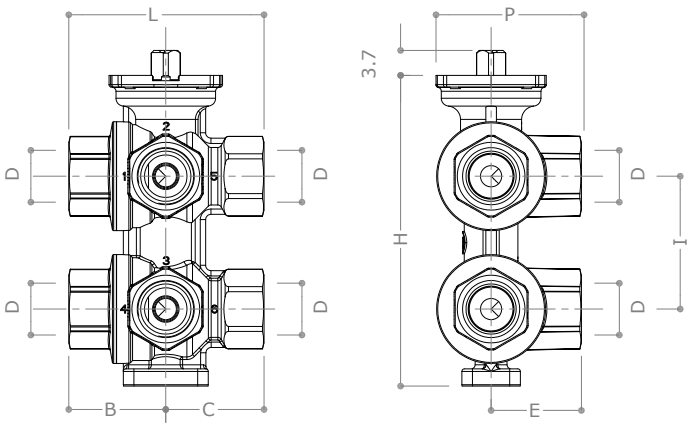
Six-way ballvalve for automatic winter-summer change-over.

Dimensions

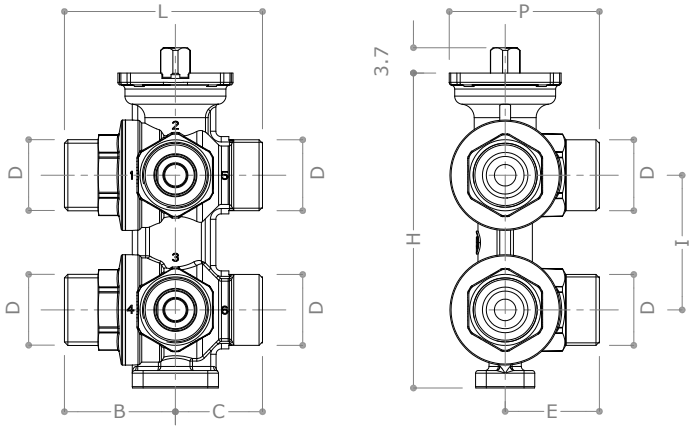
	T6-AF-1.45	T6-BF-4.62	T6-AU-1.45	T6-AU-3.24
Weight [lb]	2.2	4.23	2.16	4.09
Cv_{max}	1.45	4.62	1.45	3.24
D	1/2"FNPT	3/4"FNPT	3/4"M NPT	
L	2.89	3.73	2.91	3.39
P	2.40	2.44	2.20	2.44
H	4.61	5.55	4.61	5.55
I	1.97	2.36	1.97	2.36
B	1.44	1.87	1.63	1.85
C	1.46	1.86	1.28	1.54
E	1.34	1.57	1.38	1.61

Dimensions in inches

T6-AF and T6-BF



T6-AU



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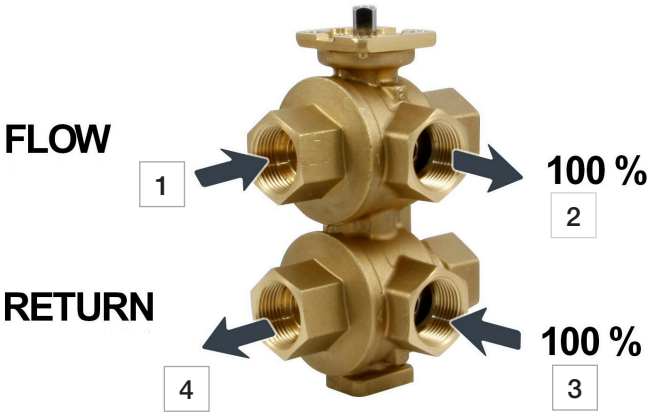
TECHNICAL FEATURES					
Handled fluid	Water - Eau (glycole max 50%)			Total operation angle	90°
Min water temperature	-14°F			First side operation angle	0° - 32°
Max water temperature	248°F			"Dead zone" operation angle	32° - 58°
Nominal pressure	230 psi			Second side operation angle	58° - 90°
Characteristic curve	Linear			Max differential pressure	29 psi
Cv_{max}	1.45	3.24	4.62	Leakage level	EN12266-1/12 P12 cl. A
Cv options	1.16-0.73 0.46-0.29	2.43-1.85 1.16-0.81	2.89		
Connections	Table "Models"at pag.1			Water quality	UNI 8065 - Fe<0.5mg/kg Cu<0.1 mg/Kg

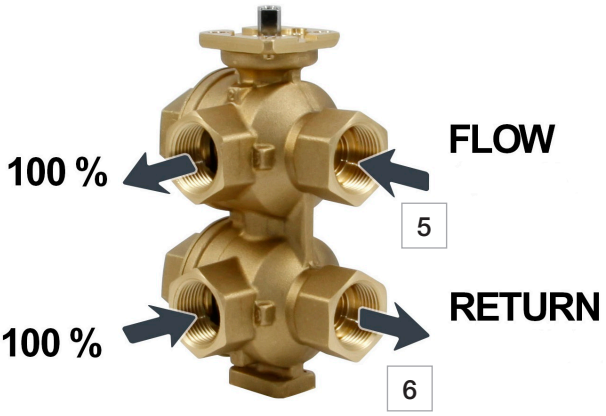
1	Flow, coolin
2	Flow, terminal unit
3	Return, terminal unit

4	Return, cooling
5	Flow, heating
6	Return, heating

COOLING



HEATING



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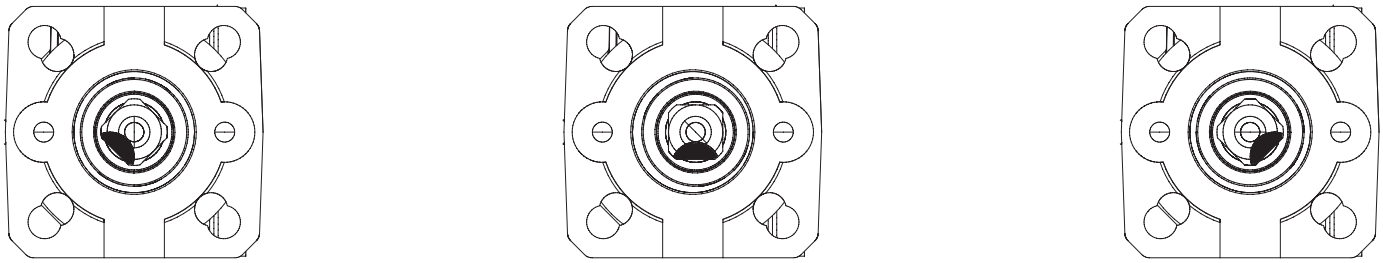
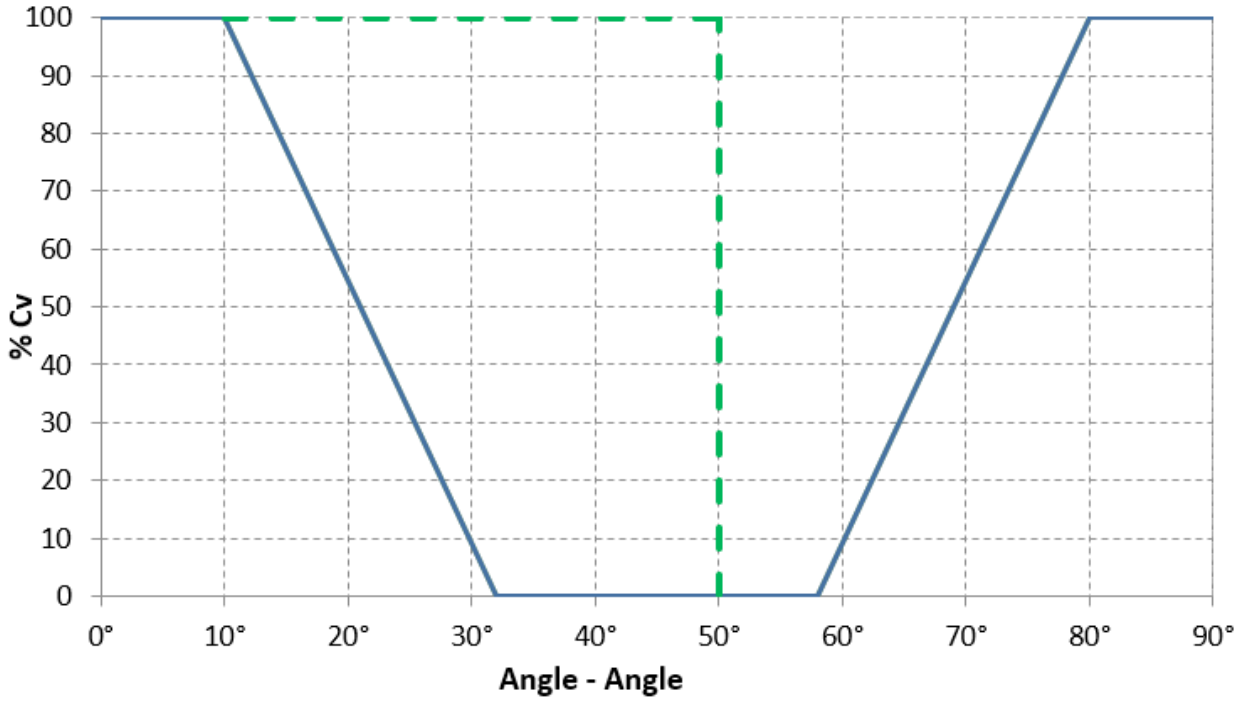
Cooling open

Cooling and heating closed*

Heating open

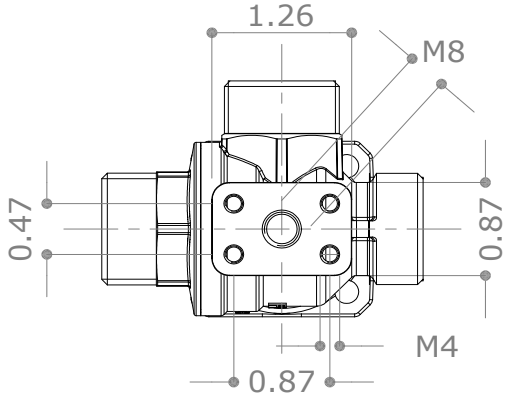




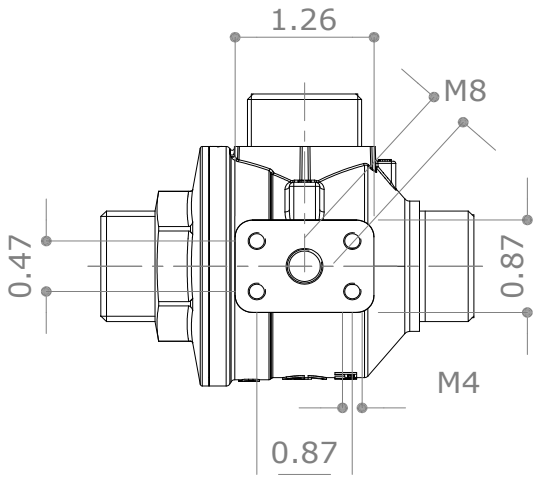
* Overpressure discharge device: 32° to 50° the terminal unit is connected to expansion vessel of cooling side to allow for liquid volume increases when the valve is closed (no flow through): the cold water inside the terminal may be heated up by ambient heat (sun radiation, high environment temperatures) and its volume increases. No communication with an expansion vessel causes pressure increase and related damages to terminal units (see diagram above).

Fastening

T6-AF-1.45 / T6-AU-1.45



T6-BF-4.62 / T6-AU-3.24



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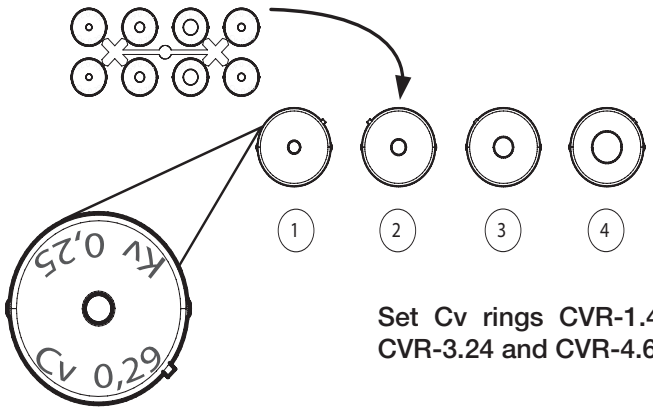
Cv values selection

T6 Cv_{max} 1.45	Cv
1	0.29
2	0.46
3	0.73
4	1.16

T6 Cv_{max} 3.24	Cv
1	0.81
2	1.16
3	1.85
4	2.43

T6 Cv_{max} 4.62	Cv
1	2.89



Set Cv rings CVR-1.45, CVR-3.24 and CVR-4.62

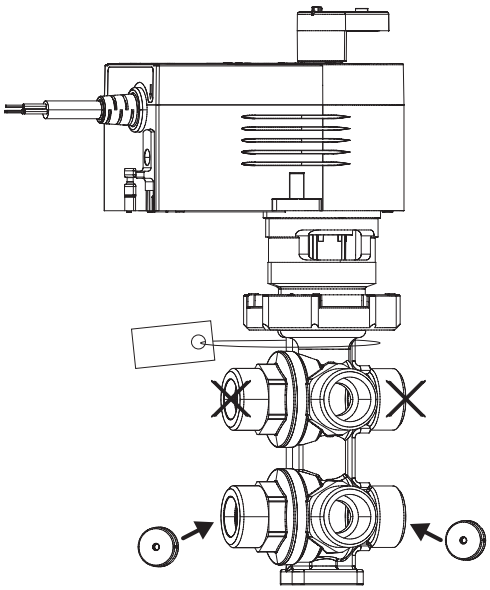
Cv values combinations

T6 - Cv_{max} 1.45	
Cv Way 4	Cv Way 6
1.45	1.45
1.45	1.16
1.45	0.73
1.45	0.46
1.45	0.29
1.16	1.45
1.16	1.16
1.16	0.73
1.16	0.46
1.16	0.29
0.73	1.45
0.73	1.16
0.73	0.73
0.73	0.46
0.73	0.29
0.46	1.45
0.46	1.16
0.46	0.73
0.46	0.46
0.46	0.29
0.29	1.45
0.29	1.16
0.29	0.73
0.29	0.46
0.29	0.29

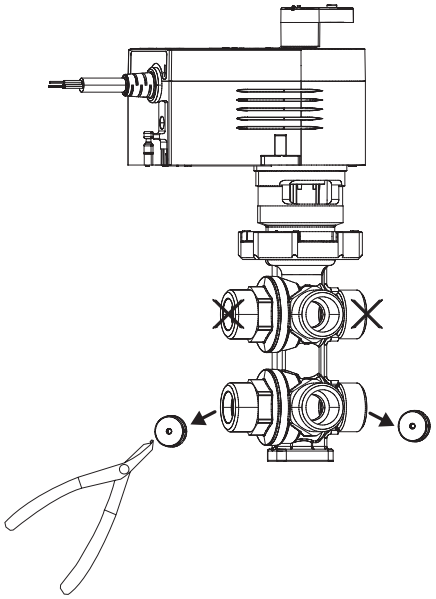
T6 - Cv_{max} 3.24	
Cv Way 4	Cv Way 6
3.24	3.24
3.24	2.43
3.24	1.85
3.24	1.16
3.24	0.81
2.43	3.24
2.43	2.43
2.43	1.85
2.43	1.16
2.43	0.81
1.85	3.24
185	2.43
1.85	1.85
1.85	1.16
1.85	0.81
1.16	3.24
1.16	2.43
1.16	1.85
1.16	1.16
1.16	0.81
0.81	3.24
0.81	2.43
0.81	1.85
0.81	1.16
0.81	0.81

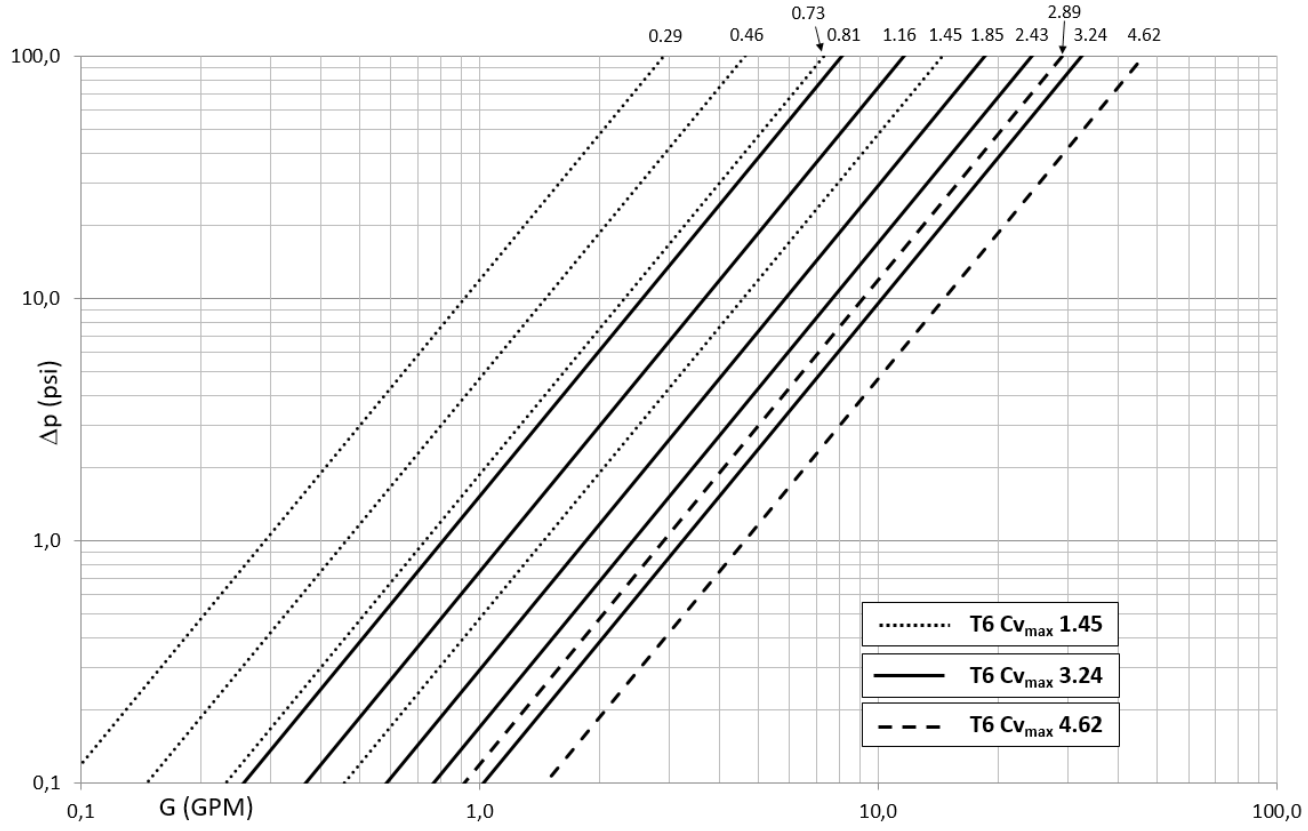
T6 - Cv_{max} 4.62	
Cv Way 4	Cv Way 6
4.62	4.62
4.62	2.89
2.89	4.62
2.89	2.89

Cv rings CVR assembly: only into ways 4 and 6



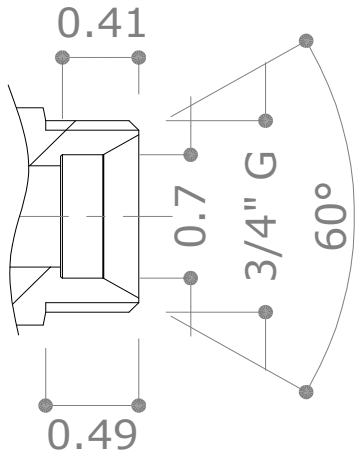
Cv rings CVR removal with pliers T6-PLIERS



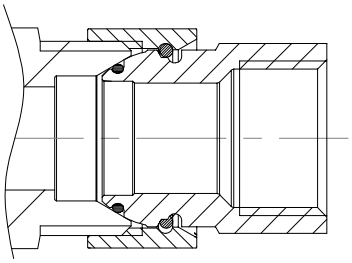


Connections

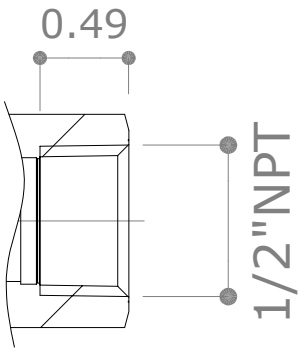
T6-AU



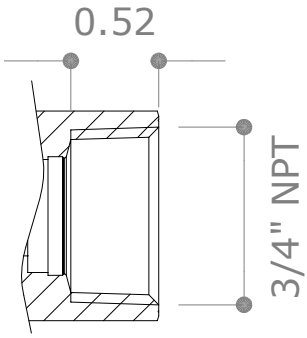
T6-AU with UAF-T6-P



T6-AF



T6-BF



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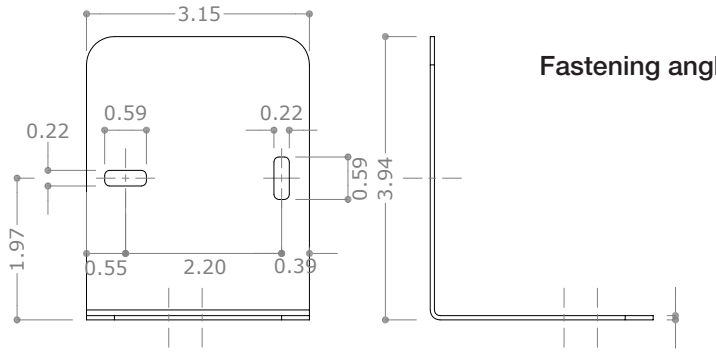
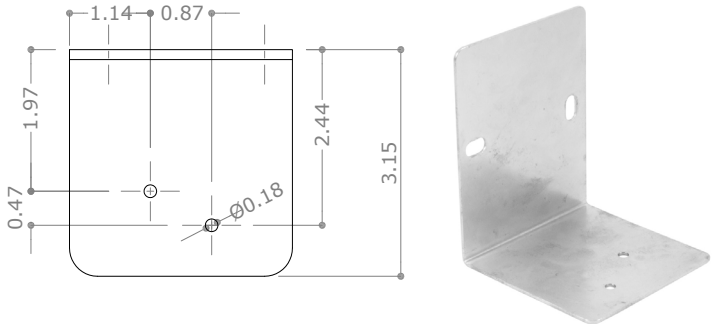
Accessories

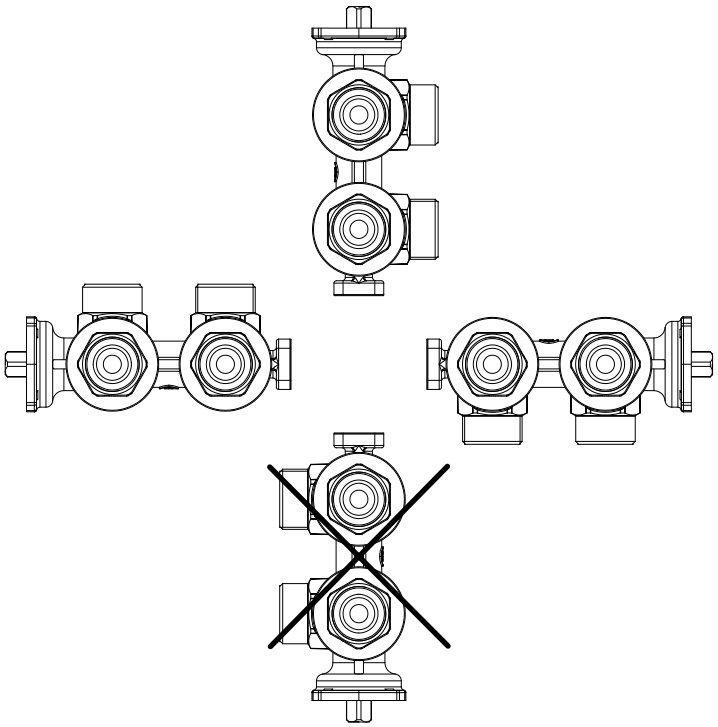


Fastening angle T6-MB-P



Insulating case T6I

Fitting guidelines



WARNING

- fitting, commisioning and maintenance must be carried out only by qualified personnel.
- Valve and pipes must be free of dirt, welding beads, etc.
- before removing the valve be sure the valve is not under pressure, the medium is cooled down and the system is drained.
- HCi does not accept any liability for improrer or wrong use of this product.

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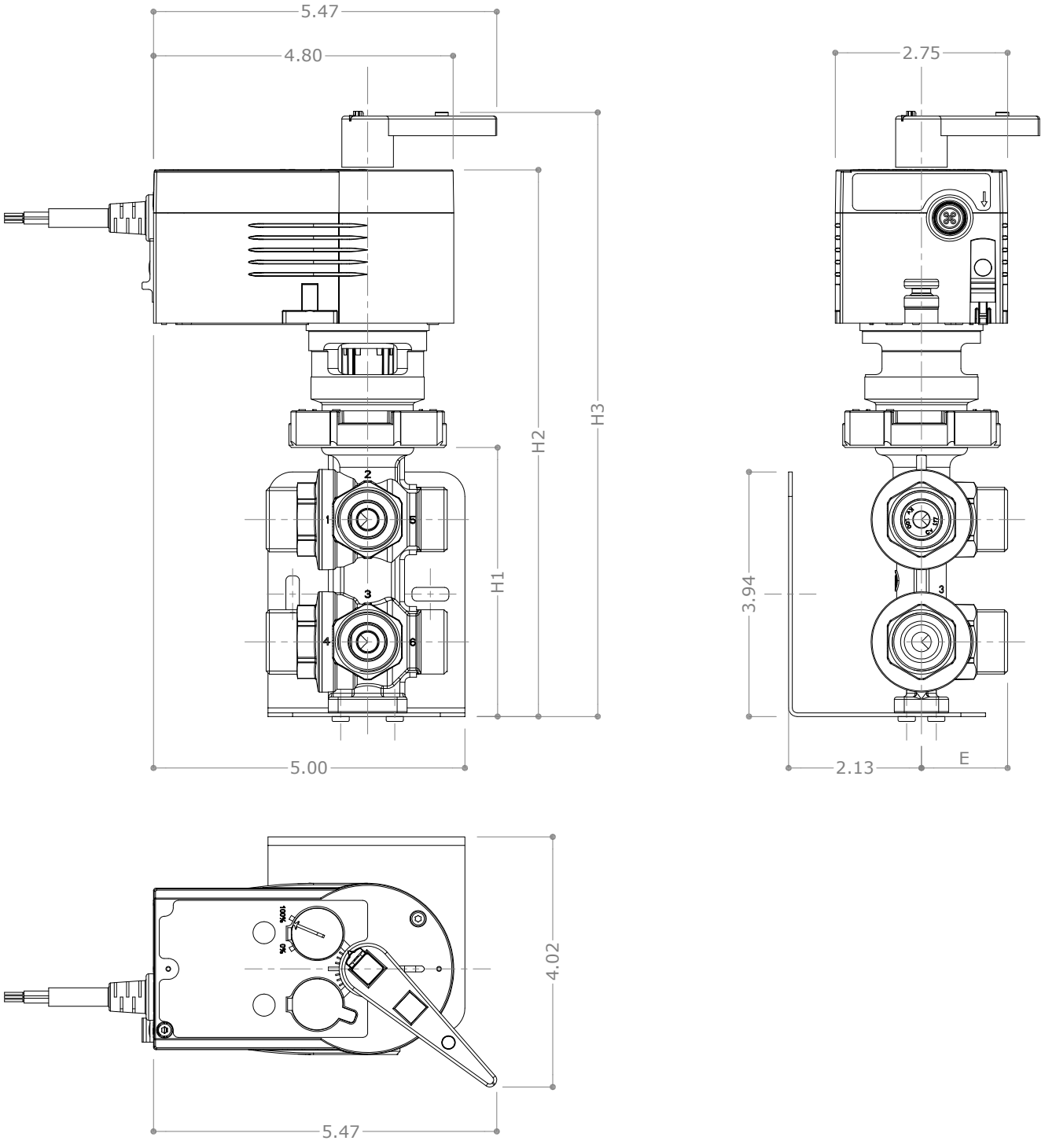
Dimensions valve + T6A-P actuator



	T6-AF-1.45	T6-BF-4.62	T6-AU-1.45	T6-AU-3.24
H1	4.33	5.24	4.33	5.24
H2	8.78	9.72	8.78	9.72
H3	9.72	10.63	9.72	10.63
E	1.34	1.57	1.38	1.61

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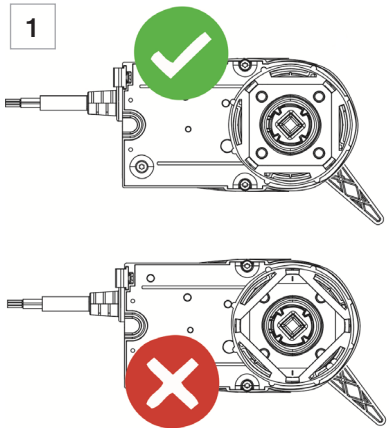
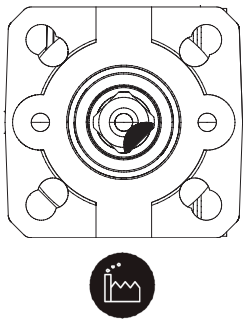
Fitting actuator T6AP

1



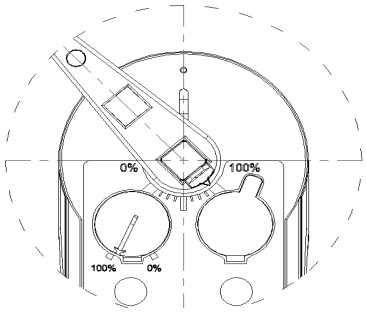
fixing ring in horizontal position, not diagonal

2



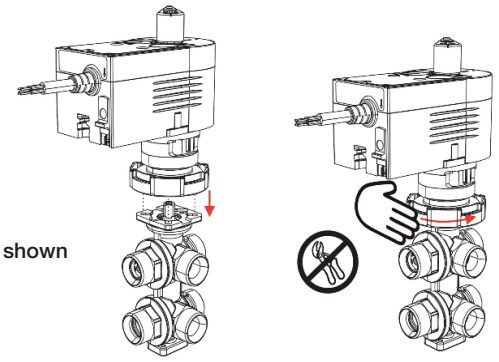
valve stem at 90°, ways 5 and 6 completely open (heating). Factory setting.

3



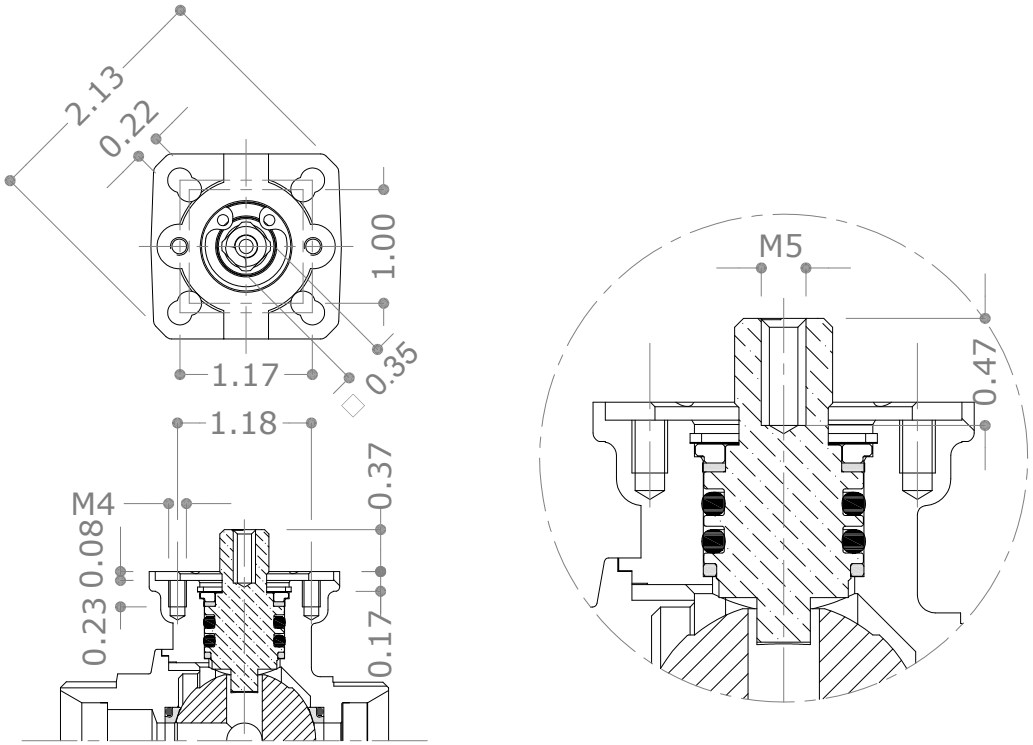
manually set the actuator T6AP at 100%

4



assembly as shown

Actuator flange



information subject to change without prior notice

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