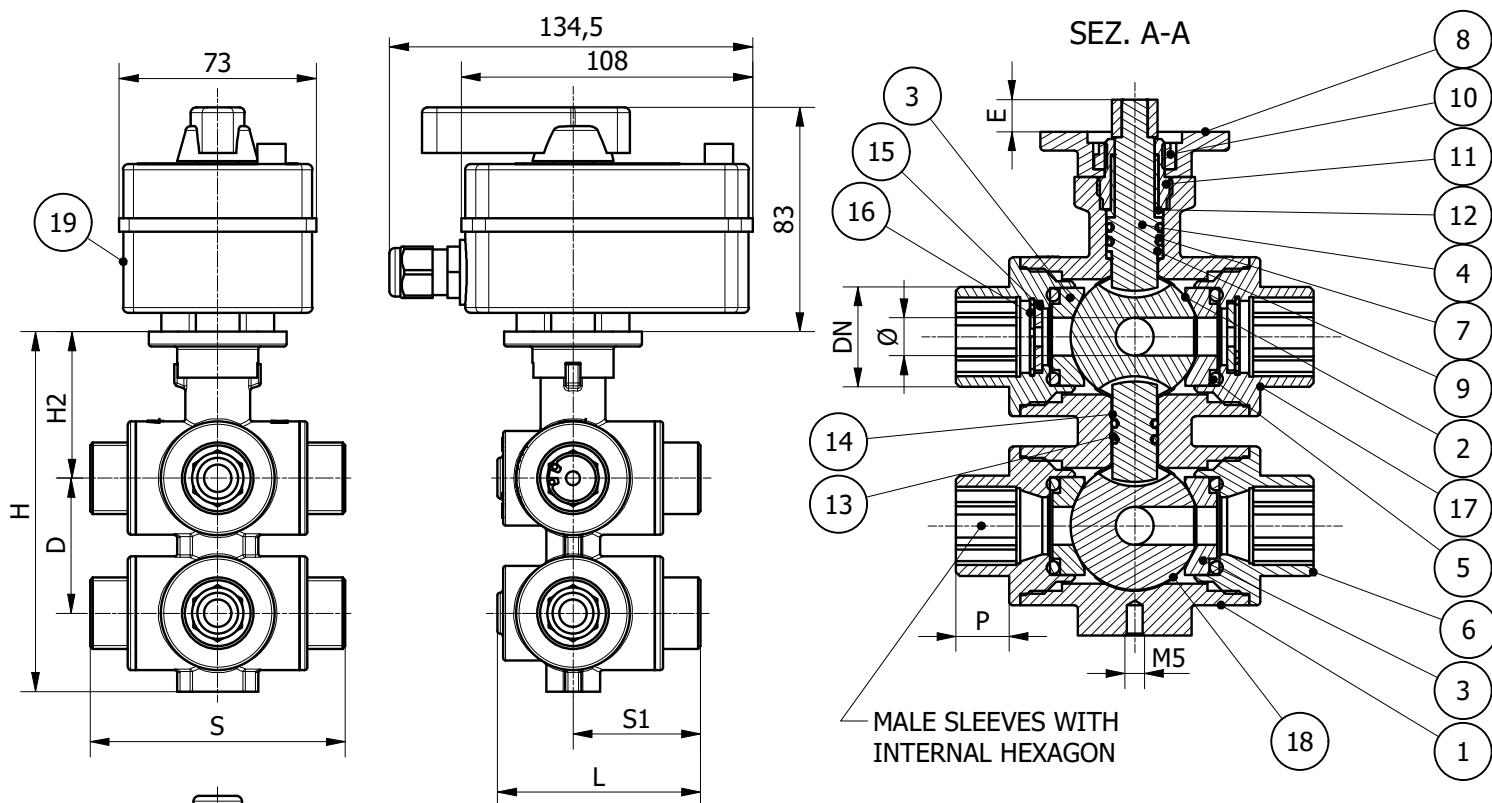
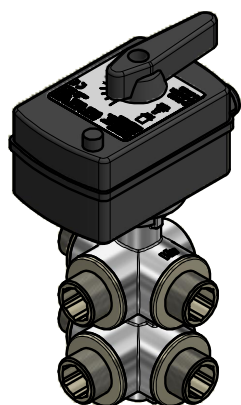




STANDARD VALVE FEATURES

- Working temperature : MIN. -10°C MAX. +100 °C ;
for the passage into the valves of fluid with constant temperatures below 0°C, the purchaser should refer to the manufacturer.
- Max pressure : 16 bar
- Max differential pressure: 2 bar
- Threaded ends: ISO 228/1 - Male connections



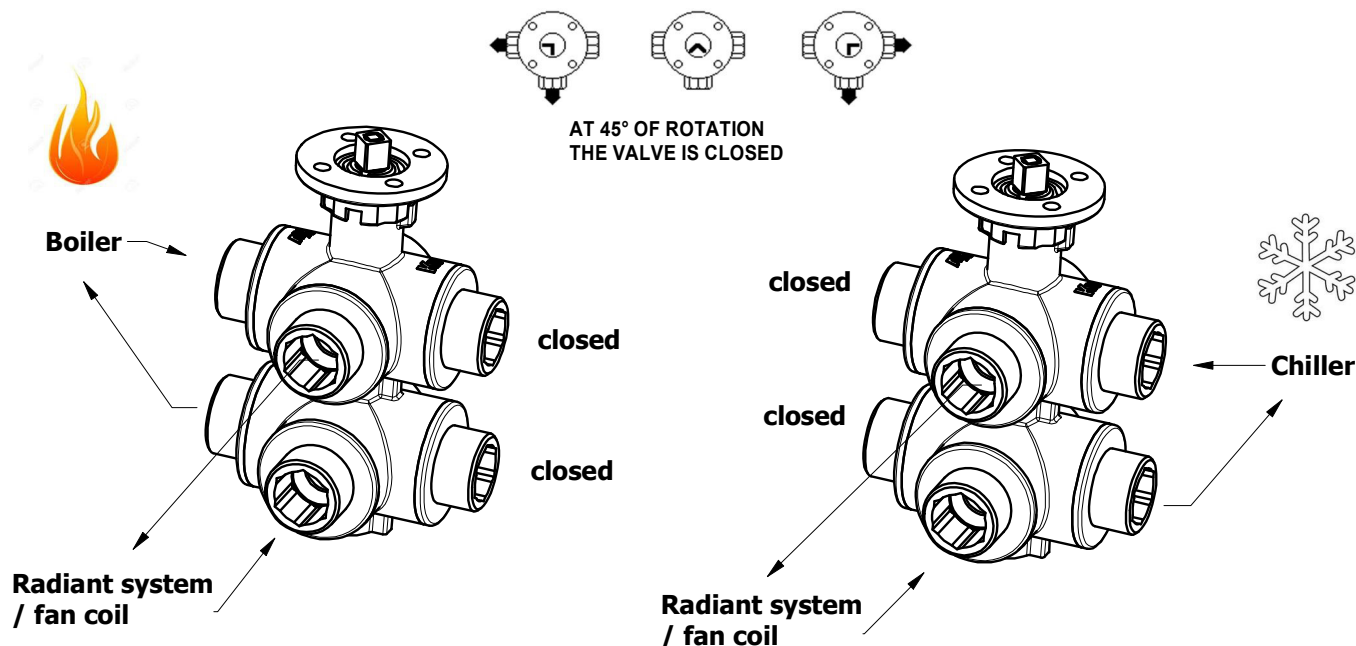
DN	3/4"
S	94.5
S 1	47
L	75
Ø	10
H	133
H 2	54
D	50
E	8.5
P	14
*Nm	6

*: data effected without pressure

Ref.	Parts	Material	Q.ty
1	Body	EN12420-CW617N-nickel	1
2	Ball with double milling	EN12165-CW617N-chromium plated	1
3	Seat	P.T.F.E. F391	8
4	Pushrod	EN12164-CW614N	1
5	O-Ring	NBR	8
6	Sleeve	EN12420-CW617N-nickel	4
7	O-Ring	EPDM	2
8	Motor plate disc	EN12420-CW617N-nickel	1
9	Antiscuff ring	P.T.F.E. F391	1
10	Nut	EN12164-CW614N	1
11	Nut	EN12164-CW614N	1
12	Antiscuff bush	P.T.F.E. F391	1
13	O-Ring	NBR	2
14	Pushrod junction	EN12164-CW614N	1
15	Washer for flow adjustment	POM	14
16	Elastic ring	Carbon steel for spring	2
17	Sleeve with glue	EN12420-CW617N-nickel	2
18	Ball with one milling	EN12165-CW617N-chromium plated	1
19	SM93 Actuator	See technical data sheet	1

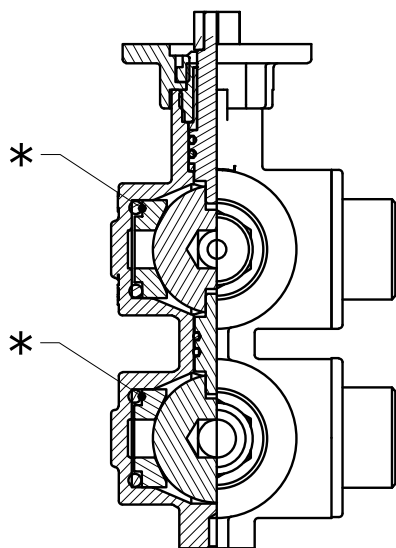
WORKING SCHEME

ROTATION FROM 0° TO 90° (with actuator 0 - 10 V)



Thanks to a special ball, the valve is equipped with overpressure protection that can occur in the system when it is in the "closed" position.

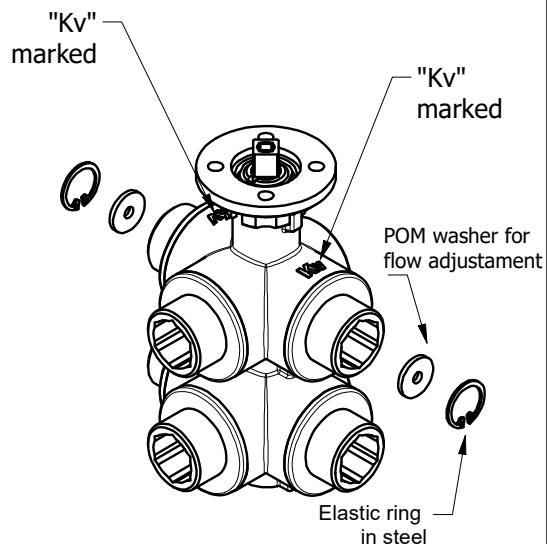
No contact between fluids



Available washers Kit
for flow adjustment in
diffrents holes

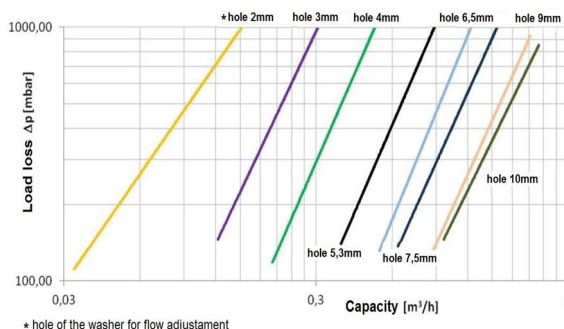
Ø (hole)	Kv (m ³ /h)
2 mm	0.15
3 mm	0.3
4 mm	0.6
5.3 mm	0.9
6.5 mm	1.3
7.5 mm	1.6
9 mm	2.2
10 mm*	2.5

*Without washers

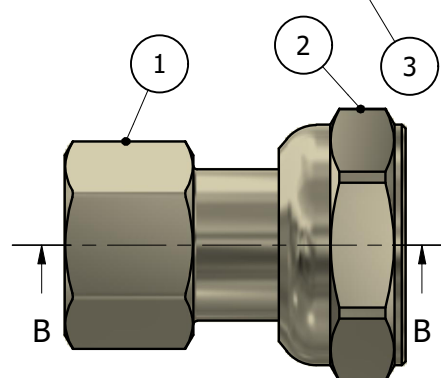
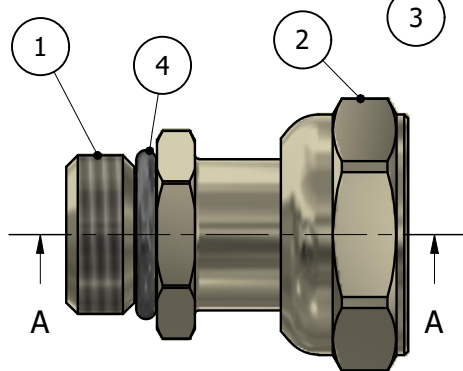
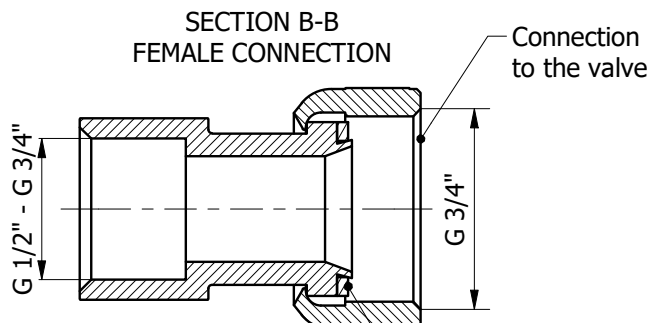
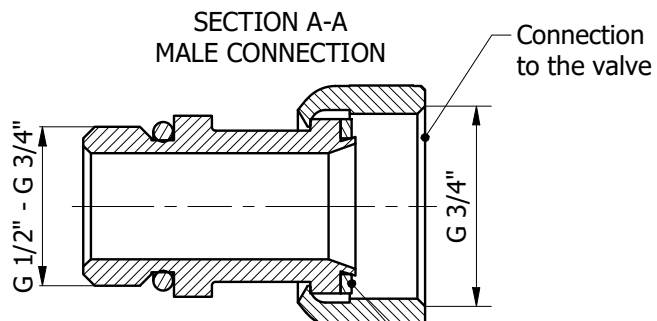


* Teflon seats and o-rings are positioned at the back of the valve and allow to avoid contact between fluids.

LOAD LOSS DIAGRAM

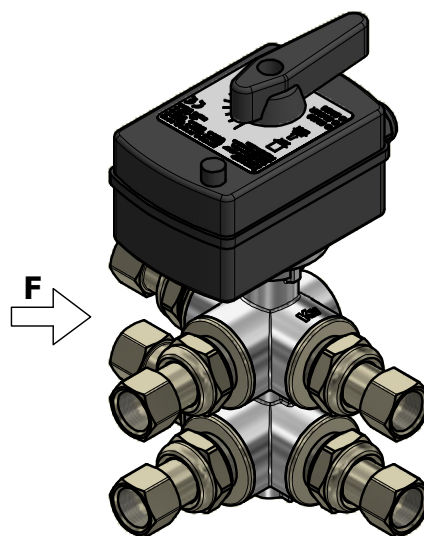
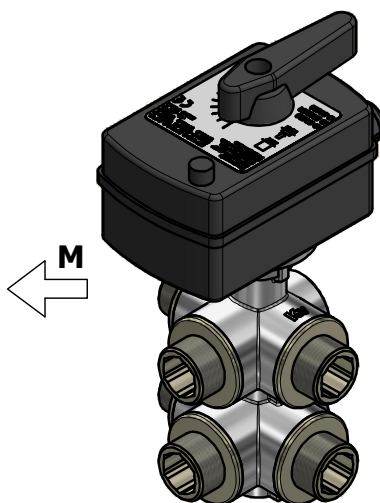
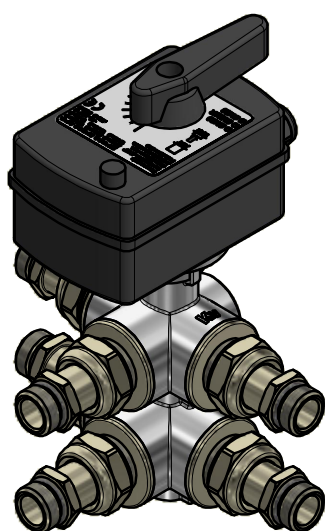


**TO FACILITATE THE INSTALLATION OF THE VALVE ON THE SYSTEM
AVAILABLE ON REQUEST MALE OR FEMALE CONNECTION
IN 1/2" AND 3/4" MEASUREMENTS**



N°	Parts
1	Male connection 1/2" - 3/4"
2	Nut
3	PTFE Gasket
4	O-RING

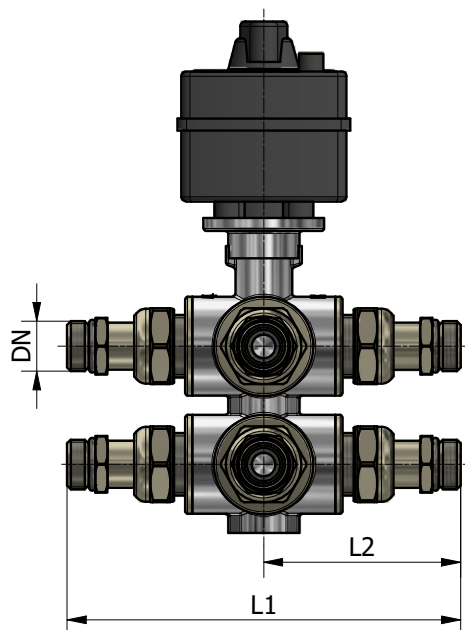
N°	Parts
1	Female connection 1/2" - 3/4"
2	Nut
3	PTFE Gasket



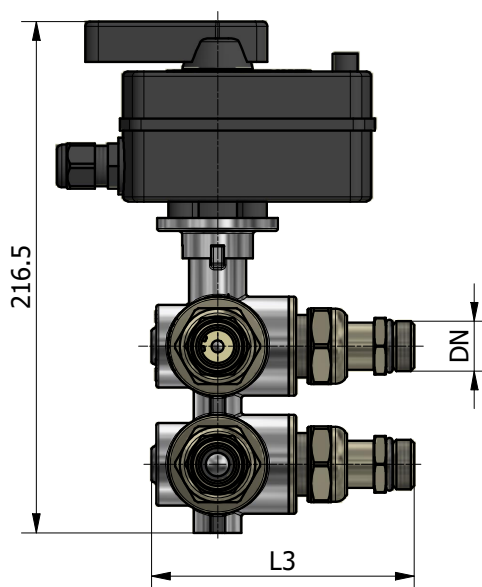
AVAILABLE ON REQUEST:

- Shell for valve thermal insulation;
- Mounting bracket;

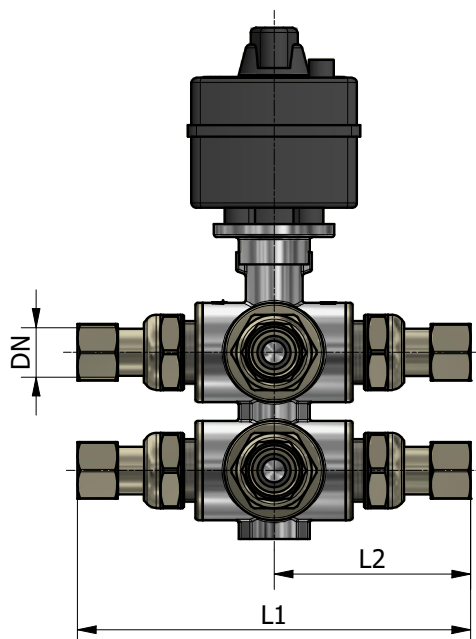
VALVE MEASUREMENTS WITH MALE CONNECTION



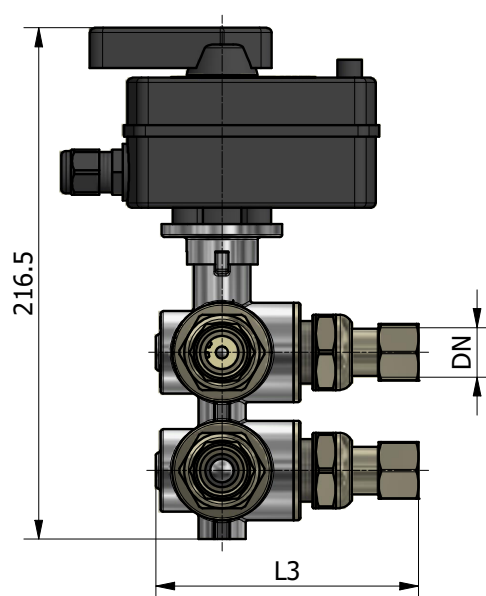
DN	1/2"	3/4"
L1	166	168
L2	83	84
L3	111	112



VALVE MEASUREMENTS WITH FEMALE CONNECTION



DN	1/2"	3/4"
L1	166	168
L2	83	84
L3	111	112



Idrosfer declines every responsibility if products that are not compatible with materials used for the construction of their valves are identified.
To be used as a guide only, Idrosfer reserves the right to modify these details if deems it appropriate and without giving prior notice.

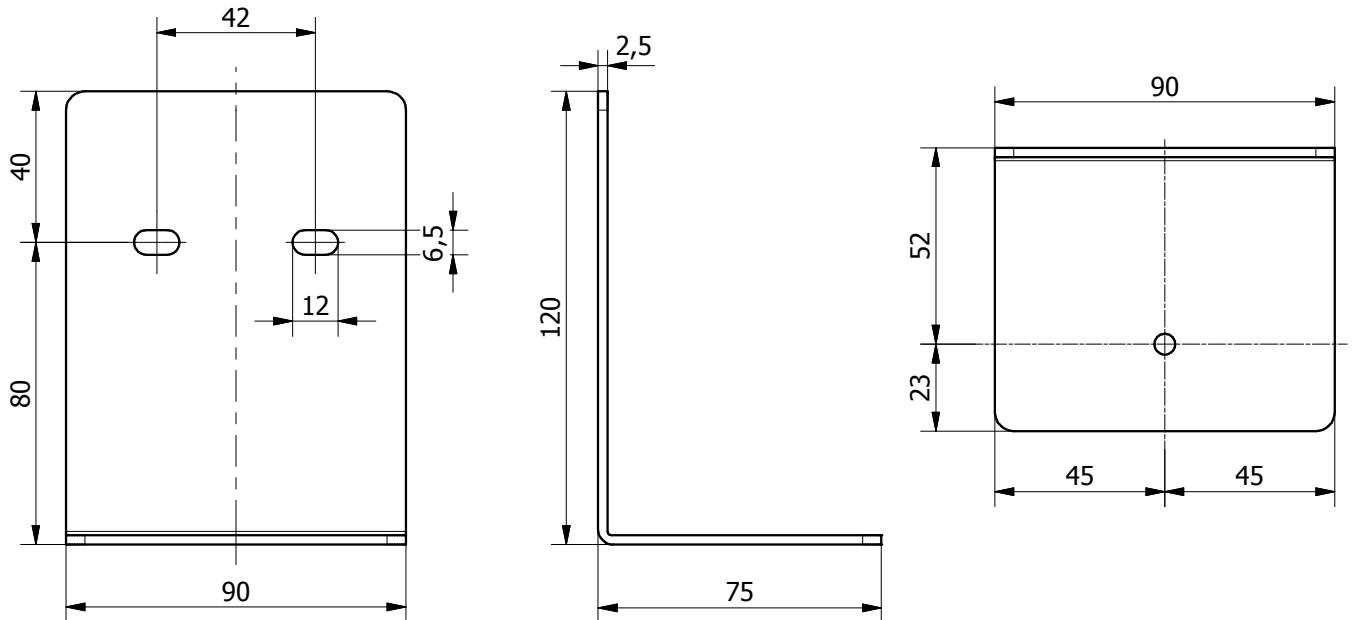
A pair of blue-handled pliers with black jaws. The handles are blue with black text. The top handle has the 'FERRI' logo. The bottom handle has the text 'Art. 0248 C.V. 12-019 - 60mm'. The jaws are black and pointed.

Length: 175 mm

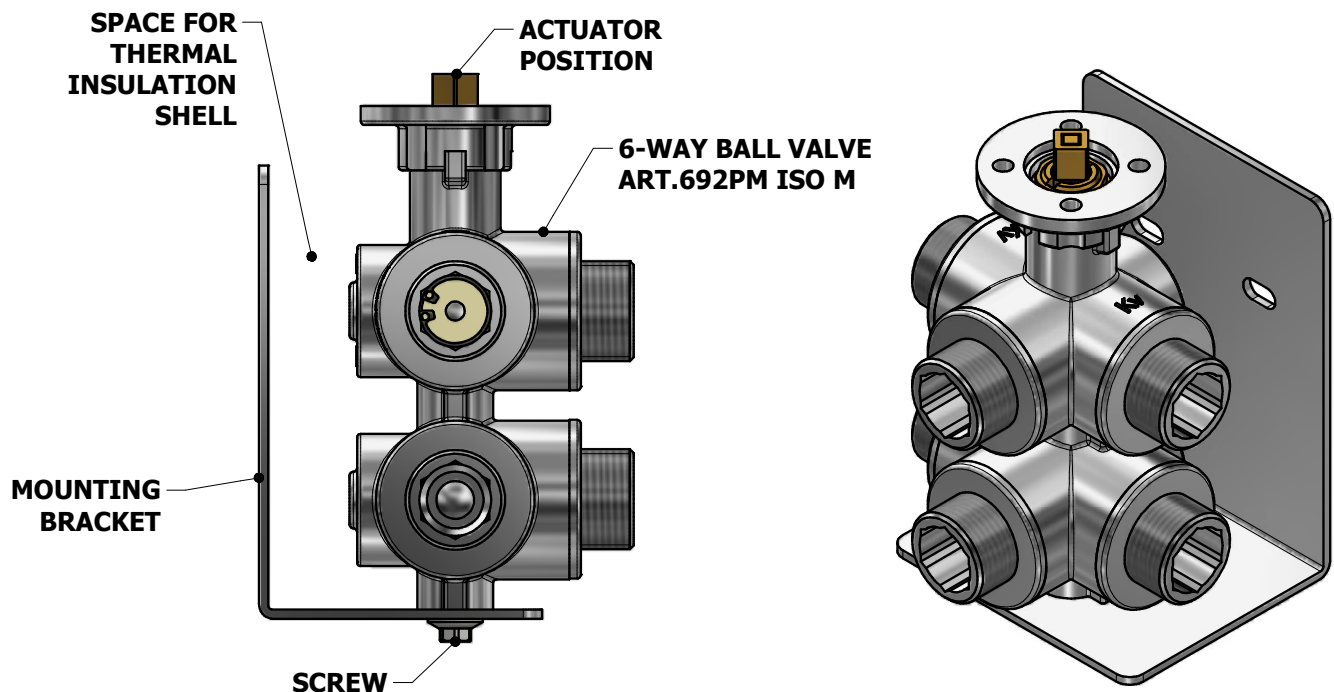
ED. N°	Data	Descrizione modifiche									
	Descrizione							Cod. artic.			
	Wrench for elastic ring							Ed. N°			
	Disegn. <i>D. Agarla</i>	Verif.	Appr.	Data	13/09/2019	Scala	Sost. dis.				
		Materiale				Trattamento		Dis. CAD			
	Conicità di estrazione	2°	Raggi non quotati	R1	Smussi non quotati		1 x 45°	Peso artic.			
Filettature UNI ISO 228/1	Tolleranze generali: ISO 2768 - m		> 0.5 fino a 6	> 6 fino a 30	> 30 fino a 120	> 120 fino a 400	> 400 fino a 1000	> 1000 fino a 2000	> 2000 fino a 4000		
Rugosità generale $\sqrt{3.2}$			±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2.0		
IDROSFER si riserva a termini di legge la proprietà del presente disegno con divieto di riprodurlo o comunicarlo a terzi senza sua autorizzazione.											

MOUNTING BRACKET FOR ART. 692PM ISO M

DIMENSIONS OF THE 6-WAY VALVE'S MOUNTING BRACKET



ASSEMBLY DESIGN OF THE 6-WAY VALVE WITH MOUNTING BRACKET



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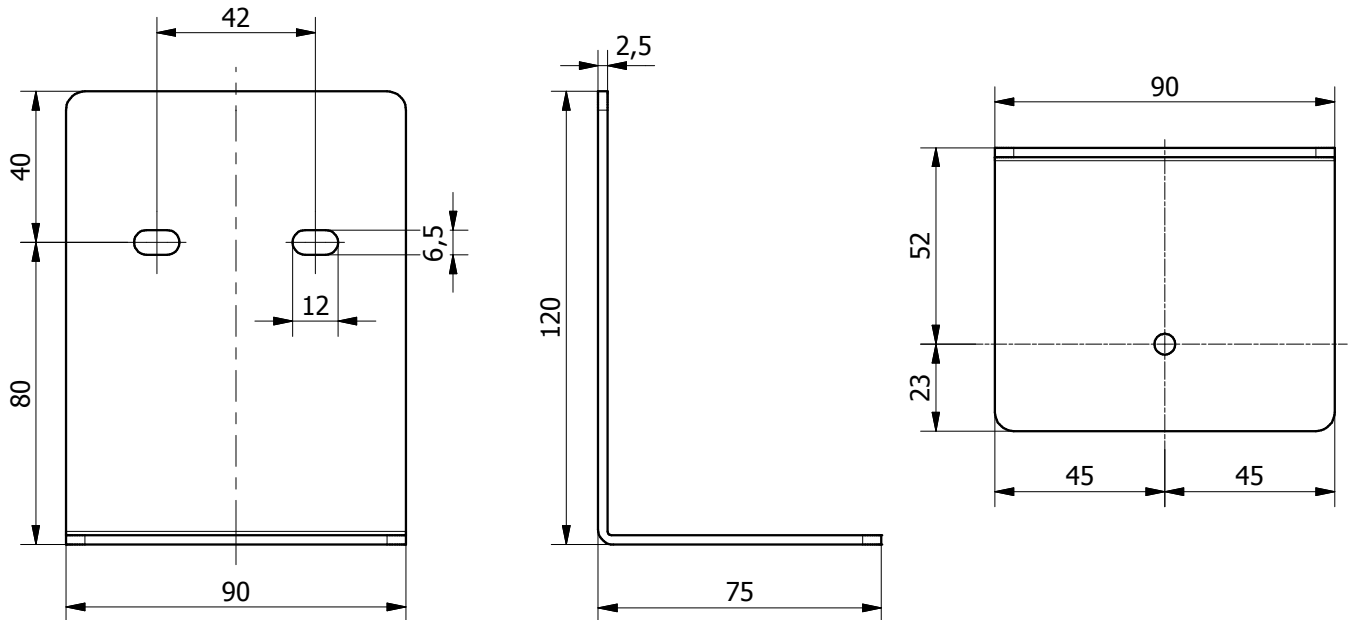
A pair of side cutters with blue handles and black jaws. The brand name 'FERRI' is printed on the upper handle, and the model 'Art. 0248 C.V. 12-019 - 60mm' is printed on the lower handle. The tool is shown against a white background.

Length: 175 mm

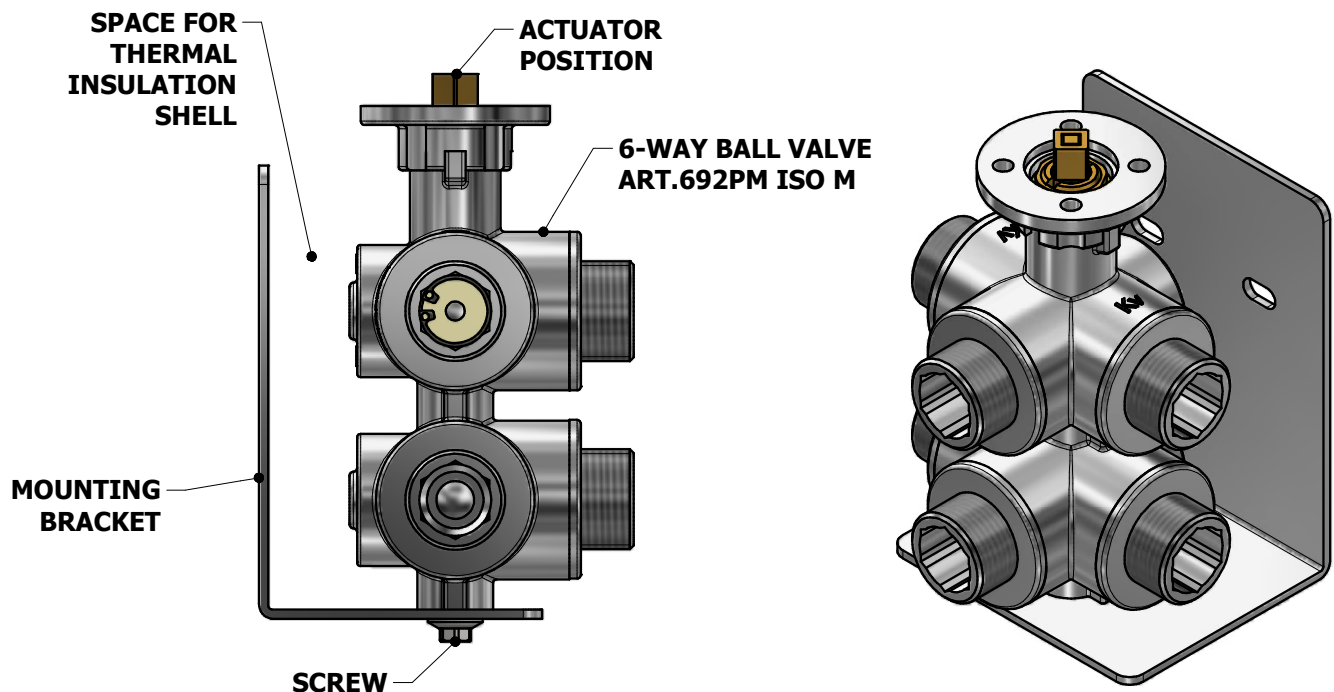
ED. N°	Data	Descrizione modifiche									
	Descrizione							Cod. artic.			
	Wrench for elastic ring							Ed. N°			
	Disegn. <i>D. Agarla</i>	Verif.	Appr.	Data	13/09/2019	Scala	Sost. dis.				
		Materiale				Trattamento		Dis. CAD			
	Conicità di estrazione	2°	Raggi non quotati	R1	Smussi non quotati		1 x 45°	Peso artic.			
Filettature UNI ISO 228/1	Tolleranze generali: ISO 2768 - m		> 0.5 fino a 6	> 6 fino a 30	> 30 fino a 120	> 120 fino a 400	> 400 fino a 1000	> 1000 fino a 2000	> 2000 fino a 4000		
Rugosità generale $\sqrt{3.2}$			±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2.0		
IDROSFER si riserva a termini di legge la proprietà del presente disegno con divieto di riprodurlo o comunicarlo a terzi senza sua autorizzazione.											

MOUNTING BRACKET FOR ART. 692PM ISO M

DIMENSIONS OF THE 6-WAY VALVE'S MOUNTING BRACKET



ASSEMBLY DESIGN OF THE 6-WAY VALVE WITH MOUNTING BRACKET



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