



TECHNICAL CATALOGUE

# SWING CHECK VALVE

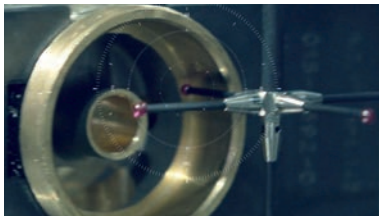
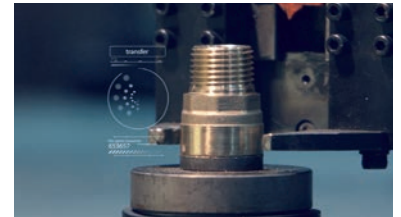
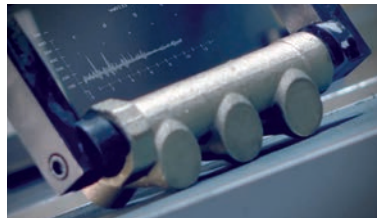
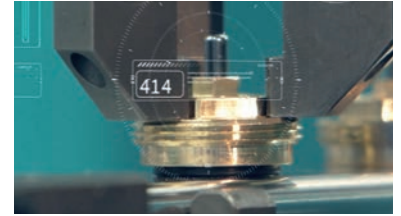
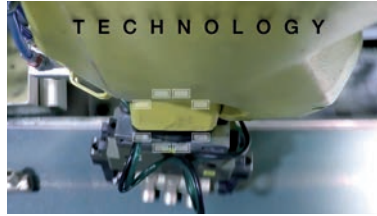


## > THE COMPANY

ITAP SpA, founded in Lumezzane (Brescia) in 1972, is currently one of the leading production companies in Italy of **valves, fittings and distribution manifolds** for plumbing and heating systems.

Thanks to a fully automated production process, with 85 transfer machines and 55 assembly lines, it is capable of producing 400,000 pieces per day.

Our innate pursuit for innovation and observance of technical regulations is supported by the company certification ISO 9001. The company has always considered its focus on quality as the main tool to obtain significant business results: today ITAP SpA is proud to offer products bearing the approval of numerous international certifying bodies.



> ITAP products have obtained approvals by more than 30 certification bodies from all over the world.





# SWING CHECK VALVE

## 130 Swing check valve



### 130M METAL SEAT

MEASURE	PRESSURE	CODE	PACKING
3/8" (DN 10)	16bar/232psi	1300038M	16/144
1/2" (DN 15)	16bar/232psi	1300012M	16/144
3/4" (DN 20)	16bar/232psi	1300034M	10/90
1" (DN 25)	12bar/174psi	1300100M	6/54
1 1/4" (DN 32)	10bar/145psi	1300114M	4/32
1 1/2" (DN 40)	10bar/145psi	1300112M	3/24
2" (DN 50)	10bar/145psi	1300200M	2/16
2 1/2" (DN 65)	8bar/116psi	1300212M	1/12
3" (DN 80)	8bar/116psi	1300300M	1/6
4" (DN 100)	8bar/116psi	1300400M	1/3

### 130G NBR SEAT

MEASURE	PRESSURE	CODE	PACKING
3/8" (DN 10)	16bar/232psi	1300038G	16/144
1/2" (DN 15)	16bar/232psi	1300012G	16/144
3/4" (DN 20)	16bar/232psi	1300034G	10/90
1" (DN 25)	12bar/174psi	1300100G	6/54
1 1/4" (DN 32)	10bar/145psi	1300114G	4/32
1 1/2" (DN 40)	10bar/145psi	1300112G	3/24
2" (DN 50)	10bar/145psi	1300200G	2/16

### CERTIFICATIONS



### TECHNICAL SPECIFICATIONS

Body in brass.

O-ring for upper plug in NBR.

O-ring of the side plug in NBR.

Plate in brass.

Minimum and maximum working temperatures: 0°C, 90°C.

Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

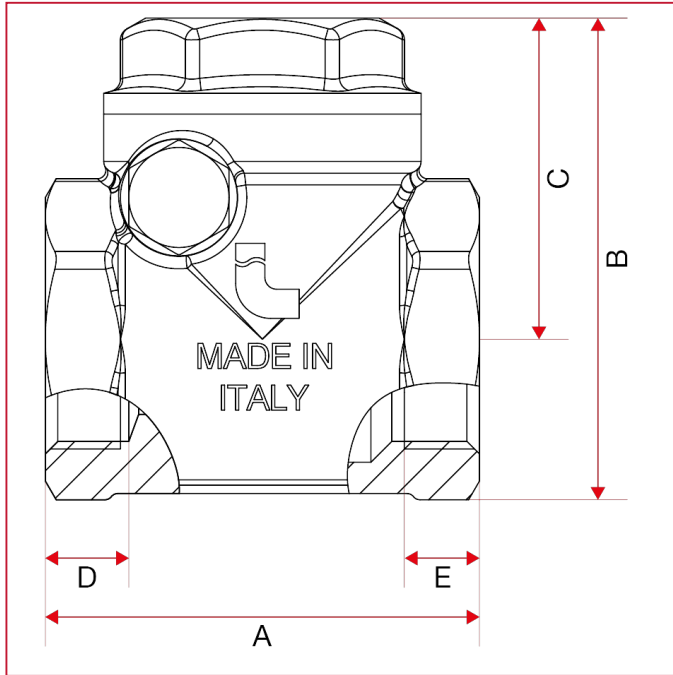
Available 3/8" through 2" with NBR seat, 3/8" through 4" with metal seat.

Available also with NPT thread in the sizes 2 1/2", 3" and 4".



# SWING CHECK VALVE

## OVERALL DIMENSIONS



### 130M

	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
DN	10	15	20	25	32	40	50	65	80	100
A	43	43	52	62	72	81	94	119	134	169
B	50	50	58	66	76	86	100,2	126,7	146,5	183,5
C	35	35	38,5	42	48	54	61	78	90	111
D	12	9,5	10	13	13	13	13,5	20,5	22,5	30,5
E	8	8	9	11,5	11,5	14,5	13	18	20	24
Kg/cm <sup>2</sup> bar	16	16	16	12	10	10	10	8	8	8
LBS - psi	232	232	232	174	145	145	145	116	116	116

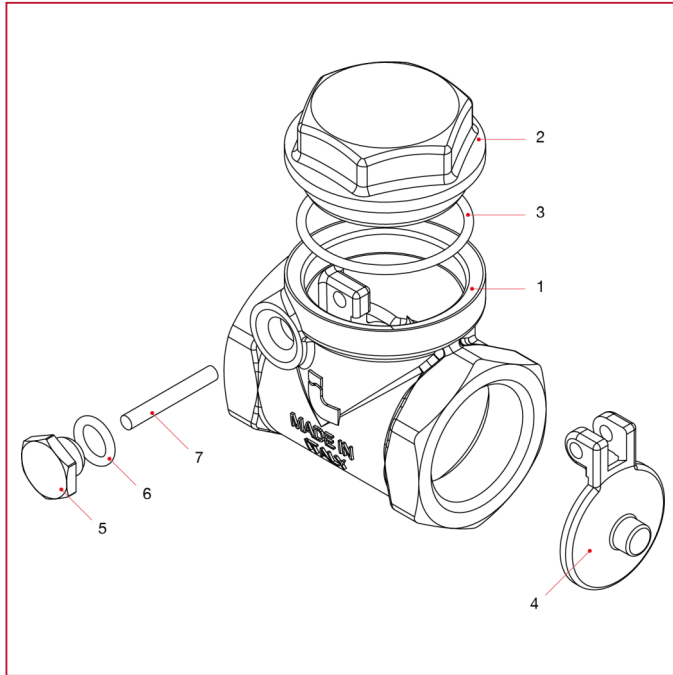
### 130G

	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
DN	10	15	20	25	32	40	50
A	43	43	52	62	72	81	94
B	50	50	58	66	76	86	100,2
C	35	35	38,5	42	48	54	61
D	12	9,5	10	13	13	13	13,5
E	8	8	9	11,5	11,5	14,5	13
Kg/cm <sup>2</sup> bar	16	16	16	12	10	10	10
LBS - psi	232	232	232	174	145	145	145



# SWING CHECK VALVE

**MATERIALS art.130M sizes 3/8" through 2"**

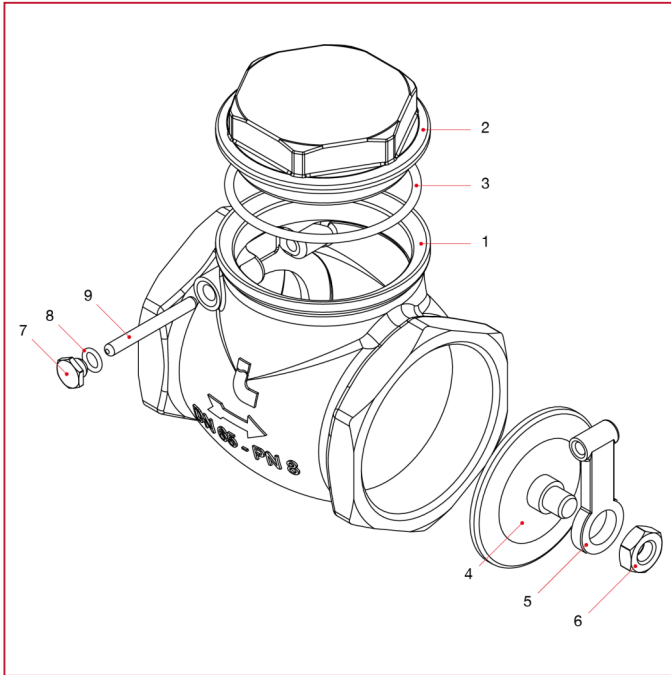


POS.	DESCRIPTION	N.	MATERIAL
1	Body	1	Brass CW617N
2	End adapter	1	Brass CW617N
3	O-ring	1	NBR
4	Plate	1	Brass CW617N
5	Cap	1	Brass CW614N
6	O-ring	1	NBR
7	Pin	1	Brass CW614N



# SWING CHECK VALVE

**MATERIALS art.130M sizes 2"1/2 through 4"**

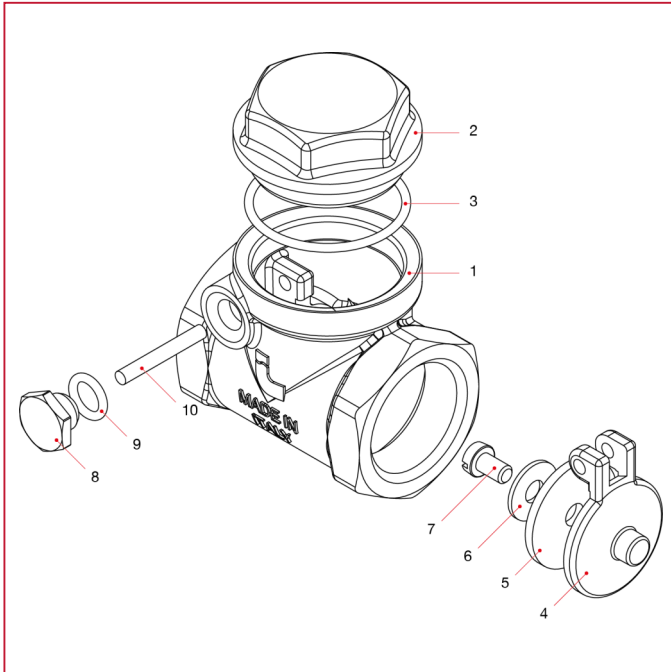


POS.	DESCRIPTION	N.	MATERIAL
1	Body	1	Brass CW617N
2	End adapter	1	Brass CW617N
3	O-ring	1	NBR
4	Plate	1	Brass CW617N
5	Arm	1	Brass CW617N
6	Nut	1	Brass CW614N
7	Cap	1	Brass CW614N
8	O-ring	1	NBR
9	Pin	1	Brass CW614N



# SWING CHECK VALVE

## MATERIALS art.130G



POS.	DESCRIPTION	N.	MATERIAL
1	Body	1	Brass CW617N
2	End adapter	1	Brass CW617N
3	O-ring	1	NBR
4	Plate	1	Brass CW617N
5	Washer	1	NBR
6	Washer	1	Brass CW508L
7	Screw	1	Brass CW508L
8	Cap	1	Brass CW614N
9	O-ring	1	NBR
10	Pin	1	Brass CW614N



# SWING CHECK VALVE

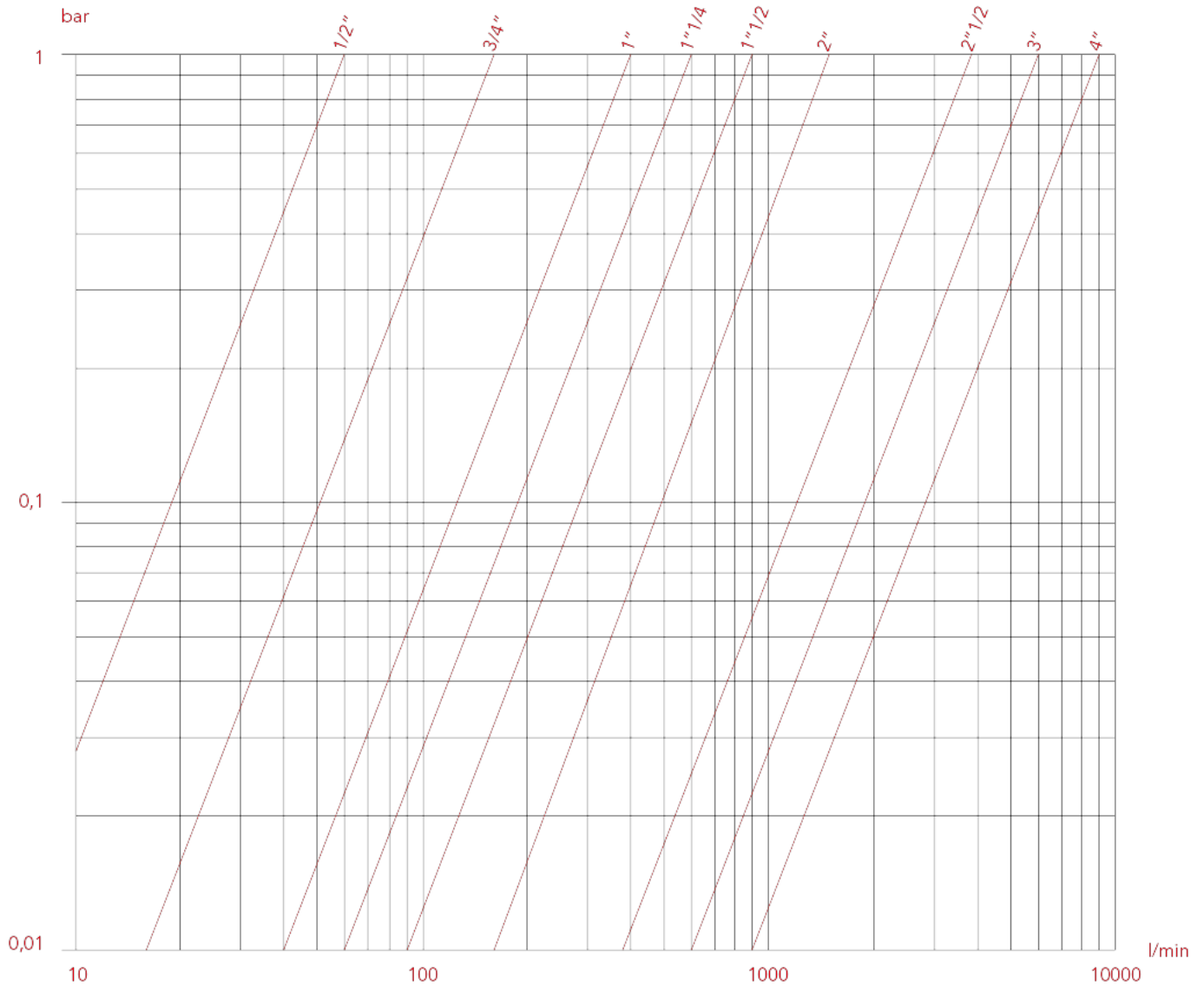
## LOSS DIAGRAM (With water)

### 130M

	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
KV	-	3,6	9,5	23	35	56	86	222	360	540

### 130G

	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
KV	-	3,6	9,5	23	35	56	86

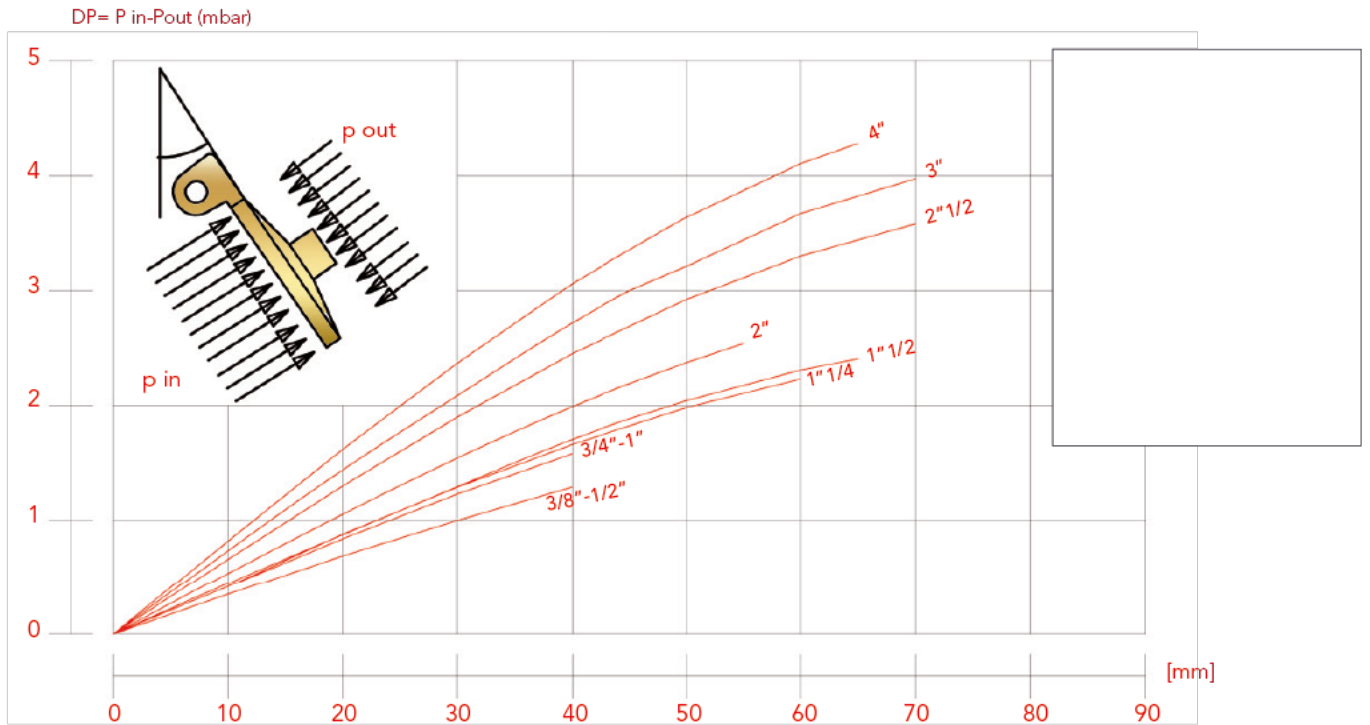




# SWING CHECK VALVE

## DIAGRAM OF THE MINIMUM PRESSURE NEEDED TO GET THE VALVES OPENING

The opening of the valve is given by the different pressure between the two sides of the seat.

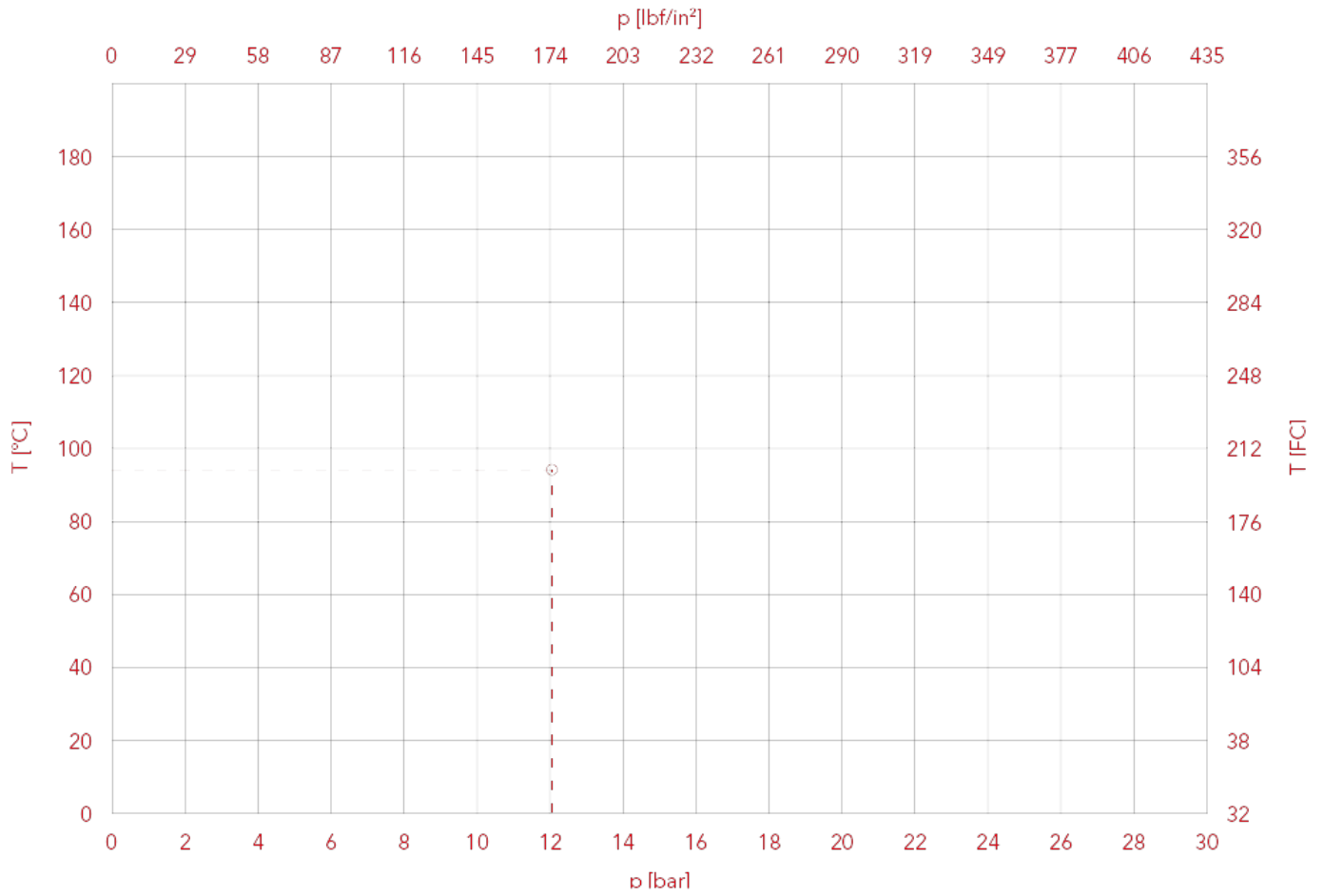




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## PRESSURE-TEMPERATURE DIAGRAM

The values shown by the dropping lines state the maximum limit of employment of the valves.  
The shown values are approximate.





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We reserve the right to make improvements and changes to the products described herein and to the relative technical data, at any time and without forewarning.

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