

Pressure gauges all stainless steel, agrifood, chemical

7470 – 7570 Series



(468 400)



(468 620)

- All Stainless Steel
- Dry or glycerin filled
- Ø 63, Ø 100, Ø 150 mm
- Pressure range -1 to 1600 bar
- Adjustable pointer
- Accuracy : 1 and 1,6 according to Ø
- AISI 316L connection 1/4" or 1/2"
- Bottom or back mounting
- With or without flange

APPLICATIONS

For aggressive environments and corrosive or special fluids in the chemical, petrochemical, pharmaceutical and food industries.

DESCRIPTION

Pressure gauges 7470 - 7570 Series, available in Watertight case and fillable, are designed for diaphragm seals mounting and electrics contact.

TECHNICAL DETAILS

Measuring range	-1 to 1600 bar
Accuracy class	1 for Ø 100 and Ø 160 1,6 for Ø 63
Design	Design and safety S1 according to EN 837-1
Pressure element	≤ 40 bar : AISI 316L C tube ≥ 60 bar : AISI 316L helical tube Seamless tube
Movement	AISI 304 stainless steel
Case	AISI 304 with blow-out, (316 in option)
Pointer	Black aluminium
Bezel	AISI 304, bayonet ring
Window	Glass
Socket, connection	AISI 316L, Welded on the case for Ø 100, Ø 150 G 1/4" or G 1/2" according to Ø
Dial	White aluminium, black lettering
Graduation	Bar
Protection	IP 65
Filling liquid	Glycerin

Operating temperature :

Ambient	-40...+60 °C (dry) / -20...+60 °C (filled)
Process	-40...+200 °C (dry) / -20...+60 °C (filled)

EC Conformity : The instrument meets the legal requirements of the current European Directives



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REFERENCES



Bottom connection
7471 Model (dry) – 7571 Model (filled)

Measuring range	Ø 63 G ¼"		Ø 100 G ½"		Ø 150 G ½"	
	Dry	Filled	Dry	Filled	Dry	Filled
-1 0 bar	468 000	469 000	468 340	469 340	468 680	469 680
-760 mmHg 0 bar	468 003	469 003	468 342	469 342	468 682	469 682
-1 0,6 bar	468 001	469 001	468 344	469 344	468 684	469 684
-1 1,5 bar	468 002	469 002	468 345	469 345	468 685	469 685
-1 3 bar	468 004	469 004	468 346	469 346	468 686	469 686
-1 5 bar	468 006	469 006	468 347	469 347	468 687	469 687
-1 9 bar	468 010	469 010	468 348	469 348	468 688	469 688
-1 15 bar	468 015	469 015	468 349	469 349	468 689	469 689
-1 24 bar	468 017	469 017	468 343	469 343	468 683	469 683
0 0,6 bar			468 350	469 350	468 690	469 690
0 1 bar	468 020	469 020	468 360	469 360	468 700	469 700
0 1,6 bar	468 030	469 030	468 370	469 370	468 710	469 710
0 2,5 bar	468 040	469 040	468 380	469 380	468 720	469 720
0 4 bar	468 050	469 050	468 390	469 390	468 730	469 730
0 6 bar	468 060	469 060	468 400	469 400	468 740	469 740
0 10 bar	468 070	469 070	468 410	469 410	468 750	469 750
0 16 bar	468 080	469 080	468 420	469 420	468 760	469 760
0 25 bar	468 090	469 090	468 430	469 430	468 770	469 770
0 40 bar	468 100	469 100	468 440	469 440	468 780	469 780
0 60 bar	468 110	469 110	468 450	469 450	468 790	469 790
0 100 bar	468 120	469 120	468 460	469 460	468 800	469 800
0 160 bar	468 130	469 130	468 470	469 470	468 810	469 810
0 250 bar	468 140	469 140	468 480	469 480	468 820	469 820
0 315 bar*	468 145	469 145	468 485	469 485	468 825	469 825
0 400 bar	468 150	469 150	468 490	469 490	468 830	469 830
0 600 bar	468 160	469 160	468 500	469 500	468 840	469 840
0 1000 bar	468 162	469 162	468 502	469 502	468 842	469 842
0 1600 bar			468 504	469 504	468 844	469 844

*Scale 0 to 300 bar for Ø 100 mm

OPTIONS

- Bar/PSI scale : Add P at the end of the reference
- NPT thread : Add N at the end of the reference
- NPT thread + bar/PSI scale : Add T at the end of the reference
- ATEX version : Add A at the end of the reference
- Polycarbonate window : Add C at the end of the reference
- Silicon filling : Add I at the end of the reference
- 316 SS case : Add S at the end of the reference
- Safety glass : Add U at the end of the reference
- Cleaning for oxygen for dry pressure gauge : Add X at the end of the reference
- Diaphragm seals mounting : See chapter "Diaphragm seals" - Doc 813-xx
- Electric contact mounting : See Doc 807-xx
- Red adjustable pointer / Red max pointer : See Doc 816-33
- Calibration certificate : See Doc 800-76

For an other options : Contact the technical service



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REFERENCES



Lower back connection

Ø 63, Ø 100, Ø 150 : 7475 Model (dry) – 7575 Model (filled)

Measuring range	Ø 63 G ¼"		Ø 100 G ½"		Ø 150 G ½"	
	Dry	Filled	Dry	Filled	Dry	Filled
-1 0 bar	468 170	469 170	468 510	469 510	468 850	469 850
-760 mmHg 0 bar	468 173	469 173	468 512	469 512	468 852	469 852
-1 0,6 bar	468 180	469 180	468 514	469 514	468 854	469 854
-1 1,5 bar	468 172	469 172	468 515	469 515	468 855	469 855
-1 3 bar	468 174	469 174	468 516	469 516	468 856	469 856
-1 5 bar	468 176	469 176	468 517	469 517	468 857	469 857
-1 9 bar	468 178	469 178	468 518	469 518	468 858	469 858
-1 15 bar	468 179	469 179	468 519	469 519	468 859	469 859
-1 24 bar	468 181	469 181	468 513	469 513	468 853	469 853
0 0,6 bar			468 520	469 520	468 860	469 860
0 1 bar	468 190	469 190	468 530	469 530	468 870	469 870
0 1,6 bar	468 200	469 200	468 540	469 540	468 880	469 880
0 2,5 bar	468 210	469 210	468 550	469 550	468 890	469 890
0 4 bar	468 220	469 220	468 560	469 560	468 900	469 900
0 6 bar	468 230	469 230	468 570	469 570	468 910	469 910
0 10 bar	468 240	469 240	468 580	469 580	468 920	469 920
0 16 bar	468 250	469 250	468 590	469 590	468 930	469 930
0 25 bar	468 260	469 260	468 600	469 600	468 940	469 940
0 40 bar	468 270	469 270	468 610	469 610	468 950	469 950
0 60 bar	468 280	469 280	468 620	469 620	468 960	469 960
0 100 bar	468 290	469 290	468 630	469 630	468 970	469 970
0 160 bar	468 300	469 300	468 640	469 640	468 980	469 975
0 250 bar	468 310	469 310	468 650	469 650	468 985	469 980
0 315 bar*	468 315	469 315	468 655	469 655	468 982	469 982
0 400 bar	468 320	469 320	468 660	469 660	468 990	469 985
0 600 bar	468 330	469 330	468 670	469 670	468 995	469 990
0 1000 bar	468 332	469 332	468 672	469 672	468 992	469 992
0 1600 bar			468 674	469 674	468 994	469 994

*Scale 0 to 300 bar for Ø 100 mm

OPTIONS : see previous page

Mounting back or front flange :



Back flange – Bottom connection

7472 Model (dry) – 7572 Model (filled)



Front flange – Lower back connection

7478 Model (dry) – 7578 Model (filled)

1- Select 7471-7571 ou 7475-7575 Model reference

2- Replace the reference 46x xxx by 48x xxx

Example :

The model 7471, Ø 63 ¼", 0-10 bar : ref. 468 070 becomes in 7472 (back flange) : 488 070

The model 7475, Ø 63 ¼", 0-10 bar : ref. 468 240 becomes in 7478 (front flange) : 488 240

U-clamp reference for back connection :

For Ø 63 mm pressure gauge : ref. 488760ETRIER

For Ø 100 mm pressure gauge : ref. 488780ETRIER

Order the pressure gauge and U-Clamp reference



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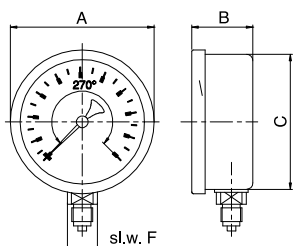
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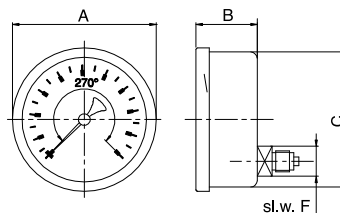
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DIMENSIONS [mm]

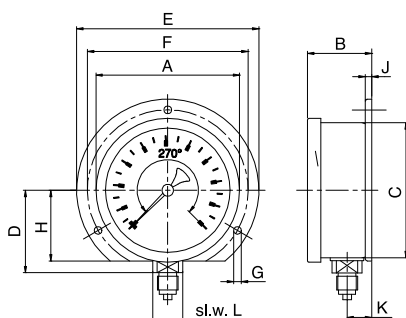
Bottom connection



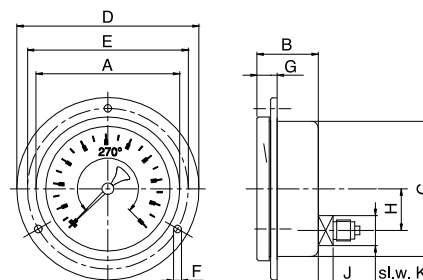
Lower back connection



Back flange – Bottom connection



Front flange – Lower back connection

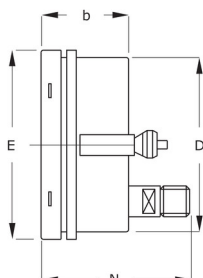


Bottom connection

	A	B	C	F	Dry [kg]	Filled [kg]	A	B	C	D	E	F	G	H	J	K	L	Dry [kg]	Filled [kg]
Ø 63	68	30	63	14	0,14	0,25	68	31,2	63,0	35,5	85	75	3,6	33	3	11,5	14	0,175	0,35
Ø 100	110,6	48,5	101	22	0,53	0,86	105	48,5	101	63,0	132	116	5,0	52	4	19,5	22	0,600	1,10
Ø 150	160	50	149	22	1,02	2,10	160	50,0	150	97,0	196	178	6,0	83	6	24,0	22	1,360	2,40

Lower back connection

	A	B	C	F	Dry [kg]	Filled [kg]	A	B	C	D	E	F	G	H	J	K	Dry [kg]	Filled [kg]
Ø 63	68	30	63	14	0,14	0,25	68	31,2	63	85	75	3,6	99			14	0,18	0,32
Ø 100	110,6	48,5	101	22	0,53	0,86	110,6	48,5	101	132	116	4,8	13,5	33,4	11	22	0,64	1,15
Ø 150	160	50	149	22	1,02	2,10	160	50	149	196	178	6,0	21,0	52,0	17	22	1,54	2,64



U-Clamp bracket

	b	E	D	N	Dry [kg]	Filled [kg]
Ø 63	30	68	63	50	0,18	0,32
Ø 100	53	113	101	97	0,64	1,15



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