

GAUGES, THERMOMETERS

PRESSURE GAUGES

STAINLESS STEEL RIMLESS CASE - GLYCERIN FILLED

WITH BRASS INTERNALS, 100MM DIA. x 1/4" BSP **BOTTOM** CONNECTION



PRESSURE GAUGES

80 215	0 - 1	Bar
80 216	0 - 2.5	Bar
80 217	0 - 4	Bar
80 218	0 - 6	Bar
80 219	0 - 10	Bar
80 220	0 - 16	Bar
80 221	0 - 25	Bar
80 222	0 - 40	Bar
80 223	0 - 60	Bar
80 224	0 - 100	Bar
80 225	0 - 160	Bar
80 226	0 - 250	Bar
80 229	0 - 400	Bar
80 227	0 - 600	Bar
80 228	0 - 1000	Bar

COMPOUND GAUGES

80 236	-1/+16	Bar
80 230	-1/+10	Bar
80 231	-1/+6	Bar
80 232	-1/+4	Bar
80 237	-1/2.5	Bar
80 233	-1/+1	Bar

VACUUM GAUGES

80 234	-1/+0	Bar
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GAUGE ADAPTERS, BRASS

70 094	1/4" Female BSP x 3/8" Male BSP
70 095	1/4" Female BSP x 1/2" Male BSP
70 096	1/4" Female BSP x 3/4" Male BSP
70 097	1/4" Female BSP x 1/4" Male NPT
70 098	3/8" Female BSP x 3/8" Male NPT
70 099	1/2" Female BSP x 1/2" Male NPT

FLANGES

80 018	100mm Stainless Steel flange
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PRESSURE GAUGES

STAINLESS STEEL ROUND RIM TYPE CASE WITH FLANGE

GLYCERIN FILLED WITH BRASS INTERNALS

100MM DIA. x 1/4" BSP BOTTOM CONNECTION



PRESSURE GAUGES

85 215	0 - 1	Bar
85 216	0 - 2.5	Bar
85 217	0 - 4	Bar
85 218	0 - 6	Bar
85 219	0 - 10	Bar
85 220	0 - 16	Bar
85 221	0 - 25	Bar
85 222	0 - 40	Bar
85 223	0 - 60	Bar
85 224	0 - 100	Bar
85 225	0 - 160	Bar
85 226	0 - 250	Bar
85 229	0 - 400	Bar
85 227	0 - 600	Bar
85 228	0 - 1000	Bar

COMPOUND GAUGES

85 236	-1/+16	Bar
85 230	-1/+10	Bar
85 231	-1/+6	Bar
85 232	-1/+4	Bar
85 237	-1/2.5	Bar
85 233	-1/+1	Bar

VACUUM GAUGES

85 234	-1/+0	Bar
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GAUGE ADAPTERS, BRASS

70 094	1/4" Female BSP x 3/8" Male BSP
70 095	1/4" Female BSP x 1/2" Male BSP
70 096	1/4" Female BSP x 3/4" Male BSP
70 097	1/4" Female BSP x 1/4" Male NPT
70 098	3/8" Female BSP x 3/8" Male NPT
70 099	1/2" Female BSP x 1/2" Male NPT

PRESSURE GAUGES

STAINLESS STEEL ROUND RIM TYPE CASE WITH FLANGE
GLYCERIN FILLED WITH BRASS INTERNALS
80MM DIA. x 1/4" BSP BOTTOM CONNECTION



PRESSURE GAUGES

88 215	0 - 1	Bar
88 216	0 - 2.5	Bar
88 217	0 - 4	Bar
88 218	0 - 6	Bar
88 219	0 - 10	Bar
88 220	0 - 16	Bar
88 221	0 - 25	Bar
88 222	0 - 40	Bar
88 223	0 - 60	Bar
88 224	0 - 100	Bar
88 225	0 - 160	Bar
88 226	0 - 250	Bar

COMPOUND GAUGES

88 236	-1/+15	Bar
88 230	-1/+10	Bar
88 231	-1/+6	Bar
88 232	-1/+4	Bar
88 237	-1/2.5	Bar
88 233	-1/+1	Bar

VACUUM GAUGES

88 234	-1/+0	Bar
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GAUGE ADAPTERS, BRASS

70 094	1/4" Female BSP x 3/8" Male BSP
70 095	1/4" Female BSP x 1/2" Male BSP
70 096	1/4" Female BSP x 3/4" Male BSP
70 097	1/4" Female BSP x 1/4" Male NPT
70 098	3/8" Female BSP x 3/8" Male NPT
70 099	1/2" Female BSP x 1/2" Male NPT

PRESSURE GAUGES

STAINLESS STEEL RIMLESS CASE - GLYCERIN FILLED
WITH BRASS INTERNALS, 63MM DIA. x 1/4" BSP **BACK** CONNECTION



PRESSURE GAUGES

89 215	0 - 1.6 Bar
89 216	0 - 2.5 Bar
89 217	0 - 4 Bar
89 218	0 - 6 Bar
89 219	0 - 10 Bar
89 220	0 - 16 Bar
89 221	0 - 25 Bar

COMPOUND GAUGES

89 230	-1/+10 Bar
89 231	-1/+ 6 Bar
89 232	-1/+4 Bar
89 229	-1/+2.5 Bar
89 233	-1/+1.5 Bar

VACUUM GAUGES

89 234	-1/0 Bar
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GAUGE ADAPTERS, BRASS



70 094	1/4" Female BSP x 3/8" Male BSP
70 095	1/4" Female BSP x 1/2" Male BSP
70 096	1/4" Female BSP x 3/4" Male BSP

70 097	1/4" Female BSP x 1/4" Male NPT
70 098	3/8" Female BSP x 3/8" Male NPT
70 099	1/2" Female BSP x 1/2" Male NPT

PRESSURE GAUGES

STAINLESS STEEL RIMLESS CASE - GLYCERIN FILLED
WITH BRASS INTERNALS, 63MM DIA. x 1/4" BSP **BOTTOM** CONNECTION



PRESSURE GAUGES

82 215	0 - 1	Bar
82 216	0 - 2.5	Bar
82 217	0 - 4	Bar
82 218	0 - 6	Bar
82 219	0 - 10	Bar
82 220	0 - 16	Bar
82 221	0 - 25	Bar
82 222	0 - 40	Bar
82 223	0 - 60	Bar
82 224	0 - 100	Bar
82 225	0 - 160	Bar
82 226	0 - 250	Bar
82 229	0 - 400	Bar

COMPOUND GAUGES

82 236	-1/+10	Bar
82 230	-1/+6	Bar
82 231	-1/+4	Bar
82 232	-1/+2.5	Bar
82 233	-1/+1	Bar

VACUUM GAUGES

82 234	-1/+0	Bar
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GAUGE ADAPTERS, BRASS

70 094	1/4" Female BSP x 3/8" Male BSP
70 095	1/4" Female BSP x 1/2" Male BSP
70 096	1/4" Female BSP x 3/4" Male BSP
70 097	1/4" Female BSP x 1/4" Male NPT
70 098	3/8" Female BSP x 3/8" Male NPT
70 099	1/2" Female BSP x 1/2" Male NPT

PRESSURE GAUGES

BLACK STEEL RIMLESS CASE - DRY

WITH BRASS INTERNALS, 100MM DIA. x 1/4" BSP **BOTTOM** CONNECTION



PRESSURE GAUGES

81 215	0 - 1	Bar
81 216	0 - 2.5	Bar
81 217	0 - 4	Bar
81 218	0 - 6	Bar
81 219	0 - 10	Bar
81 220	0 - 16	Bar
81 221	0 - 25	Bar
81 222	0 - 40	Bar
81 223	0 - 60	Bar
81 224	0 - 100	Bar
81 225	0 - 160	Bar
81 226	0 - 250	Bar
81 229	0 - 400	Bar
81 227	0 - 600	Bar
81 228	0 - 1000	Bar

COMPOUND GAUGES

81 238	-1/+16	Bar
81 237	-1/+10	Bar
81 230	-1/+6	Bar
81 231	-1/+4	Bar
81 232	-1/+2.5	Bar
81 233	-1/+1	Bar

VACUUM GAUGES

81 234	-1/+0	Bar
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GAUGE ADAPTERS, BRASS

70 094	1/4" Female BSP x 3/8" Male BSP
70 095	1/4" Female BSP x 1/2" Male BSP
70 096	1/4" Female BSP x 3/4" Male BSP
70 097	1/4" Female BSP x 1/4" Male NPT
70 098	3/8" Female BSP x 3/8" Male NPT
70 099	1/2" Female BSP x 1/2" Male NPT

FLANGES

80 118	100 mm Steel flange
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PRESSURE GAUGES

BLACK STEEL RIMLESS CASE - DRY
 WITH BRASS INTERNALS
 80MM DIA. x 1/4" BSP **BOTTOM** CONNECTION



PRESSURE GAUGES

80 085	0 - 1	Bar
80 086	0 - 2.5	Bar
80 087	0 - 4	Bar
80 068	0 - 6	Bar
80 069	0 - 10	Bar
80 064	0 - 16	Bar
80 063	0 - 25	Bar
80 088	0 - 40	Bar
80 102	0 - 60	Bar
80 103	0 - 100	Bar
80 104	0 - 160	Bar
80 105	0 - 250	Bar

COMPOUND GAUGES

80 106	-1/+16	Bar
80 084	-1/+10	Bar
80 089	-1/+6	Bar
80 077	-1/+4	Bar
80 083	-1/+2.5	Bar
80 107	-1/+1	Bar

VACUUM GAUGES

80 079	-1/+0	Bar
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GAUGE ADAPTERS, BRASS

70 094	1/4" Female BSP x 3/8" Male BSP
70 095	1/4" Female BSP x 1/2" Male BSP
70 096	1/4" Female BSP x 3/4" Male BSP
70 097	1/4" Female BSP x 1/4" Male NPT
70 098	3/8" Female BSP x 3/8" Male NPT
70 099	1/2" Female BSP x 1/2" Male NPT

FLANGES

80 013	80mm Steel flange
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PRESSURE GAUGES

BLACK STEEL RIMLESS CASE - DRY
WITH BRASS INTERNALS
63MM DIA. x 1/4" BSP **BOTTOM** CONNECTION



PRESSURE GAUGES

83 215	0 - 1	Bar
83 216	0 - 2.5	Bar
83 217	0 - 4	Bar
83 218	0 - 6	Bar
83 219	0 - 10	Bar
83 220	0 - 16	Bar
83 221	0 - 25	Bar
83 222	0 - 40	Bar
83 223	0 - 60	Bar
83 224	0 - 100	Bar
83 225	0 - 160	Bar
83 226	0 - 250	Bar
83 229	0 - 400	Bar

COMPOUND GAUGES

83 214	-1/+10	Bar
83 230	-1/+6	Bar
83 231	-1/+4	Bar
83 232	-1/+2.5	Bar
83 233	-1/+1	Bar

VACUUM GAUGES

83 234	-1/+0	Bar
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GAUGE ADAPTERS, BRASS

70 094	1/4" Female BSP x 3/8" Male BSP
70 095	1/4" Female BSP x 1/2" Male BSP
70 096	1/4" Female BSP x 3/4" Male BSP
70 097	1/4" Female BSP x 1/4" Male NPT
70 098	3/8" Female BSP x 3/8" Male NPT
70 099	1/2" Female BSP x 1/2" Male NPT

ENGINE THERMOMETER

V-SHAPE

110MM (4") TYPE 174B - STRAIGHT



<u>PART #</u>	<u>RANGE</u>	<u>STEM</u>	<u>ISSA #</u>
80 636	-30/50 C	40mm	
80 752	-30/50 C	63mm	
80 753	-30/50 C	100mm	
80 660	0-100 C	40mm	65 19 82
80 754	0-100 C	63mm	65 19 83
80 755	0-100 C	100mm	65 19 84
80 663	0-200 C	40mm	65 19 87
80 641	0-200 C	63mm	65 19 88
80 642	0-200 C	100mm	65 19 89

150MM (6") TYPE 291B - STRAIGHT



<u>PART #</u>	<u>RANGE</u>	<u>STEM</u>	<u>ISSA #</u>
80 661	0-100 C	40mm	
80 635	0-100 C	63mm	65 19 44
80 363	0-100 C	100mm	65 19 45
80 637	0-100 C	160mm	65 19 46
80 615	0-100 C	250mm	
80 664	0-200 C	40mm	
80 643	0-200 C	63mm	65 19 50
80 644	0-200 C	100mm	65 19 51
80 645	0-200 C	160mm	65 19 52
80 666	0-600 C	40mm	
80 649	0-600 C	63mm	65 19 62
80 650	0-600 C	100mm	65 19 63
80 651	0-600 C	160mm	65 19 64
80 617	0-600 C	250mm	

200MM (8") TYPE 271B - STRAIGHT



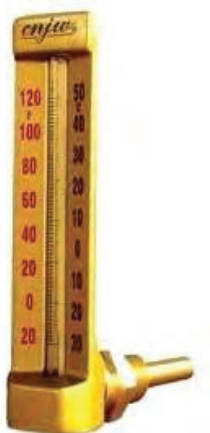
<u>PART #</u>	<u>RANGE</u>	<u>STEM</u>	<u>ISSA #</u>
80 662	0-100 C	40mm	
80 638	0-100 C	63mm	65 19 04
80 639	0-100 C	100mm	65 19 05
80 640	0-100 C	160mm	65 19 06
80 616	0-100 C	250mm	
80 665	0-200 C	40mm	
80 646	0-200 C	63mm	65 19 10
80 647	0-200 C	100mm	65 19 11
80 648	0-200 C	160mm	65 19 12
80 667	0-600 C	40mm	
80 652	0-600 C	63mm	65 19 22
80 653	0-600 C	100mm	65 19 23
80 654	0-600 C	160mm	65 19 24

ENGINE THERMOMETER V-SHAPE



110MM (4") TYPE 175B - 90 DEG. ANGLE

<u>PART #</u>	<u>RANGE</u>	<u>STEM</u>	<u>ISSA #</u>
80 728	-30/50 C	40mm	
80 710	-30/50 C	63mm	
80 711	-30/50 C	100mm	
80 729	0-100 C	40mm	65 20 82
80 712	0-100 C	63mm	65 20 83
80 713	0-100 C	100mm	65 20 84
80 732	0-200 C	40mm	65 20 87
80 720	0-200 C	63mm	65 20 88
80 721	0-200 C	100mm	65 20 89



150MM (6") TYPE 292B - 90 DEG. ANGLE

<u>PART #</u>	<u>RANGE</u>	<u>STEM</u>	<u>ISSA #</u>
80 730	0-100 C	40mm	
80 714	0-100 C	63mm	65 20 44
80 715	0-100 C	100mm	65 20 45
80 716	0-100 C	160mm	65 20 46
80 764	0-100 C	250mm	
80 733	0-200 C	40mm	
80 722	0-200 C	63mm	65 20 50
80 723	0-200 C	100mm	65 20 51
80 724	0-200 C	160mm	65 20 52



200MM (8") TYPE 272B - 90 DEG. ANGLE

<u>PART #</u>	<u>RANGE</u>	<u>STEM</u>	<u>ISSA #</u>
80 731	0-100 C	40mm	
80 717	0-100 C	63mm	65 20 04
80 718	0-100 C	100mm	65 20 05
80 719	0-100 C	160mm	65 20 06
80 756	0-200 C	40mm	
80 725	0-200 C	63mm	65 20 10
80 726	0-200 C	100mm	65 20 11
80 727	0-200 C	160mm	65 20 12

ENGINE THERMOMETER INSERTS



110MM (4") TYPE 174B - STRAIGHT

<u>PART #</u>	<u>RANGE</u>	<u>STEM</u>	<u>ISSA #</u>
80 668	-30/50 C	40mm	
80 655	-30/50 C	63mm	
80 656	-30/50 C	100mm	
80 669	0-100 C	40mm	65 22 82
80 657	0-100 C	63mm	65 22 83
80 658	0-100 C	100mm	65 22 84
80 675	0-200 C	40mm	65 22 87
80 696	0-200 C	63mm	65 22 88
80 697	0-200 C	100mm	65 22 89



150MM (6") TYPE 291B - STRAIGHT

<u>PART #</u>	<u>RANGE</u>	<u>STEM</u>	<u>ISSA #</u>
80 673	0-100 C	40mm	
80 659	0-100 C	63mm	65 22 44
80 691	0-100 C	100mm	65 22 45
80 692	0-100 C	160mm	65 22 46
80 686	0-100 C	250mm	
80 676	0-200 C	40mm	
80 698	0-200 C	63mm	65 22 50
80 699	0-200 C	100mm	65 22 51
80 700	0-200 C	160mm	65 22 52
80 678	0-600 C	40mm	
80 704	0-600 C	63mm	65 22 62
80 705	0-600 C	100mm	65 22 63
80 706	0-600 C	160mm	65 22 64
80 689	0-600 C	250mm	



200MM (8") TYPE 271B - STRAIGHT

<u>PART #</u>	<u>RANGE</u>	<u>STEM</u>	<u>ISSA #</u>
80 674	0-100 C	40mm	
80 693	0-100 C	63mm	65 22 04
80 694	0-100 C	100mm	65 22 05
80 695	0-100 C	160mm	65 22 06
80 687	0-100 C	250mm	
80 677	0-200 C	40mm	
80 701	0-200 C	63mm	65 22 10
80 702	0-200 C	100mm	65 22 11
80 703	0-200 C	160mm	65 22 12
80 679	0-600 C	40mm	
80 707	0-600 C	63mm	65 22 22
80 708	0-600 C	100mm	65 22 23
80 709	0-600 C	160mm	65 22 24

ENGINE THERMOMETER INSERTS

110MM (4") TYPE 175B - 90 DEGR. ANGLE



<u>PART #</u>	<u>RANGE</u>	<u>STEM</u>	<u>ISSA #</u>
80 757	-30/50 C	40mm	
80 734	-30/50 C	63mm	
80 735	-30/50 C	100mm	
80 758	0-100 C	40mm	65 23 82
80 736	0-100 C	63mm	65 23 83
80 737	0-100 C	100mm	65 23 84
80 761	0-200 C	40mm	65 23 87
80 744	0-200 C	63mm	65 23 88
80 745	0-200 C	100mm	65 23 89

150MM (6") TYPE 292B - 90 DEG. ANGLE



<u>PART #</u>	<u>RANGE</u>	<u>STEM</u>	<u>ISSA #</u>
80 759	0-100 C	40mm	
80 738	0-100 C	63mm	65 23 44
80 739	0-100 C	100mm	65 23 45
80 740	0-100 C	160mm	65 23 46
80 765	0-100 C	250mm	
80 762	0-200 C	40mm	
80 746	0-200 C	63mm	65 23 50
80 747	0-200 C	100mm	65 23 51
80 748	0-200 C	160mm	65 23 52

200MM (8") TYPE 272B - 90 DEG. ANGLE



<u>PART #</u>	<u>RANGE</u>	<u>STEM</u>	<u>ISSA #</u>
80 760	0-100 C	40mm	
80 741	0-100 C	63mm	65 23 04
80 742	0-100 C	100mm	65 23 05
80 743	0-100 C	160mm	65 23 06
80 763	0-200 C	40mm	
80 749	0-200 C	63mm	65 23 10
80 750	0-200 C	100mm	65 23 11
80 751	0-200 C	160mm	65 23 12



BRASS GAUGE COCK VALVE

Brass gauge cock valve with BSP male and female connection and test flange; Ø 40x5mm
Suitable for pressure gauges with sealing according to DIN EN 837-1. Valve according to DIN 16261. Fig 345

<u>PART#</u>	<u>SIZE</u>
80 145	3/8"
80 146	1/2"

MARINE EXHAUST PYROMETER



Case: 100mm (4") diameter, 304 Stainless steel
Silicone filled, weather/wash-down proof case

Connection: 1/2" or 3/4" BSPP or NPT
316 Stainless Steel

Stem: 13mm (1/2") x 200 or 300 mm adjustable
316 Stainless Steel

<u>PART #</u>	<u>RANGE:</u>
80 201	0-650 C / 0-1200 F
80 204	0-100 C

REMOTE PYROMETER



Case: 100mm (4") diameter, 304 Stainless steel,
Back flanged, Silicone filled

Connection: 1/2" or 3/4" BSPP or NPT
316 Stainless Steel

Probe/Bulb: 13mm (1/2") x 130mm long
316 Stainless steel

Capillary: 3 Meter (10'), 316 Stainless Steel

<u>PART #</u>	<u>RANGE:</u>
80 200	0-100 C
80 202	0-650 C / 0-1200 F