

Pressure Transmitters

FEATURES

- Ranges to 20,000 psi (0–14,000bar)
- <0.25% accuracy, combined error
- 4–20 mA two-wire output
- ATEX I.S. certification
- Duplex stainless steel construction
- NACE MR-01-75 Rev03 Sour Gas rated

APPLICATIONS

- Surface datalogging
- B.O.P. control systems
- Wellhead monitoring
- Mud logging

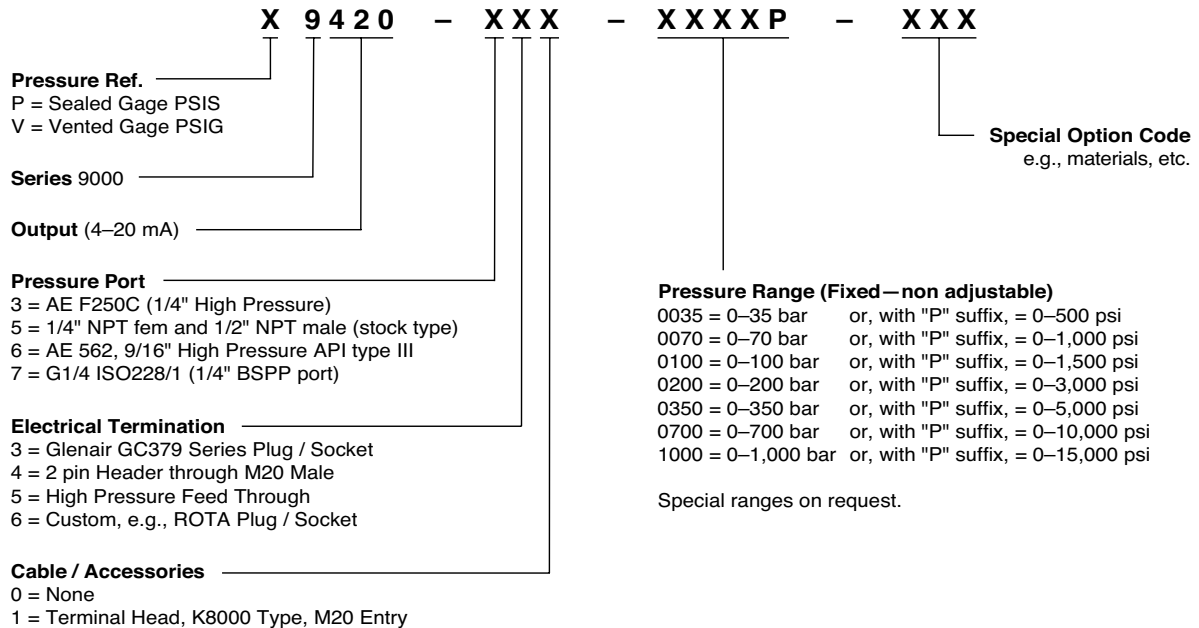
DESCRIPTION

General purpose 9420 Series pressure transmitters share fused-ceramic diaphragm and fixed-range 4–20 mA two-wire output amplifier technology. Housed in a thick walled casing of the highest specification material, the 9420 Series is ideally suited to rugged and corrosive service in an oil field environment; Sour Service is standard.

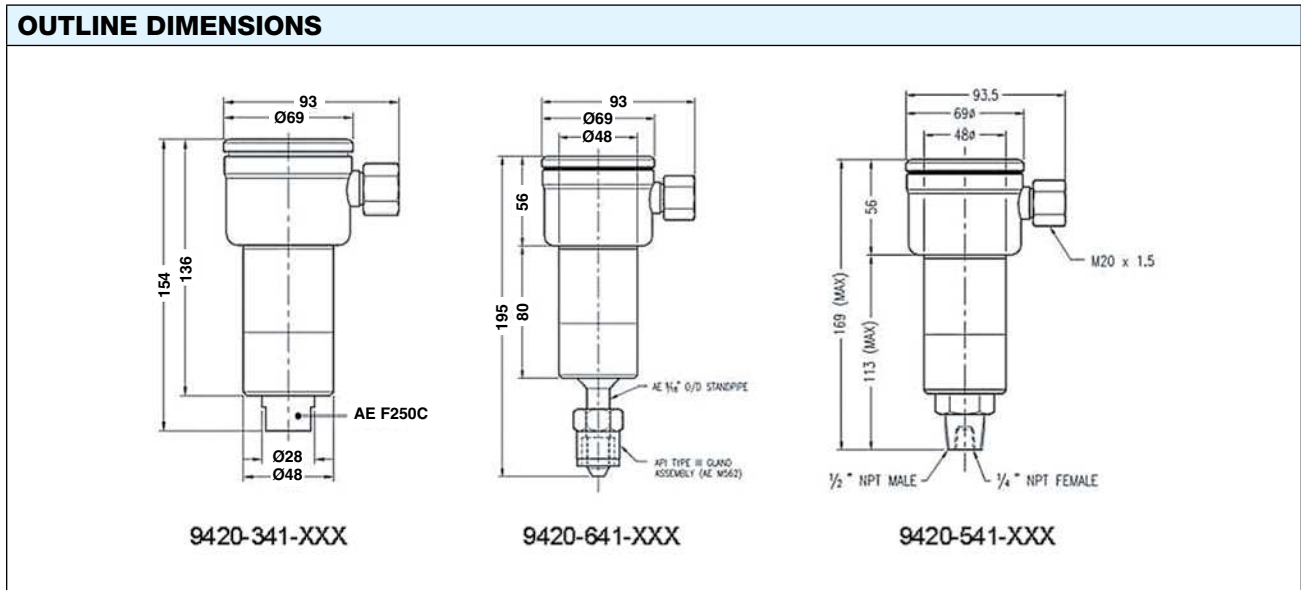


9420 transmitters are available with a wide variety of connector options to suit your system requirements. Each unit carries a two-year warranty.

ORDERING INFORMATION



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SPECIFICATIONS		PARAMETER	VALUE
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Ranges	0–500 psi thru 0–20,000 psi (0–35 bar thru 0–1,400 bar)	MECHANICAL	
PERFORMANCE		Safe overpressure	150% range
Accuracy*	<0.25% span <0.30% span for 1,400 bar	Minimum burst pressure	200% range (20,000 psi)
Stability	<0.1% span per year	Wetted parts material	Al ₂ O ₃ UNS S31803 Duplex Stainless Steel
Rise time to full scale	<2 ms	MOUNTING	
Temperature effects on zero balance	±0.008% span/°C	Not attitude conscious	Via pressure port on 5XX, 6XX process connections, or flanges and hubs.
Temperature effects on rated output	±0.008% span/°C	ENVIRONMENTAL	
Temperature range	Compensated: –10°C to +90°C; storage: –30°C to +100°C	Protection	IP68 BS5490: 1977, IEC 529: 1976
ELECTRICAL		RFI / EMC immunity	Tested to IEC 801-3 Parts 2, 3, 4 and 6 EN 50082-2
Output	4–20 mA, two wire	Intrinsic safety certification	EXia IIc T4 Sira 02ATEX2386X
Full scale output (FSO)	20 mA ±0.16 mA	MEDIA COMPLIANCE —NACE MR-01-75 Rev03 Sour Gas rated	
Zero pressure output	4 mA ±0.16 mA	SHOCK / VIBRATION —IEC 68 Test Ea 100 g / 6 ms, 3 axes; Test Fc 10–800 Hz, 5 g, 3 axes	
Supply voltage	12–28 VDC		
Loop resistance	100 Ω–900 Ω		
Insulation resistance	>500 MΩ @ 500 VRMS		

BLH Nobel is continually seeking to improve product quality and performance. Specifications may change accordingly.



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