



HYDROGEN

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5HDDWRU,VR0DWLR0DOYH

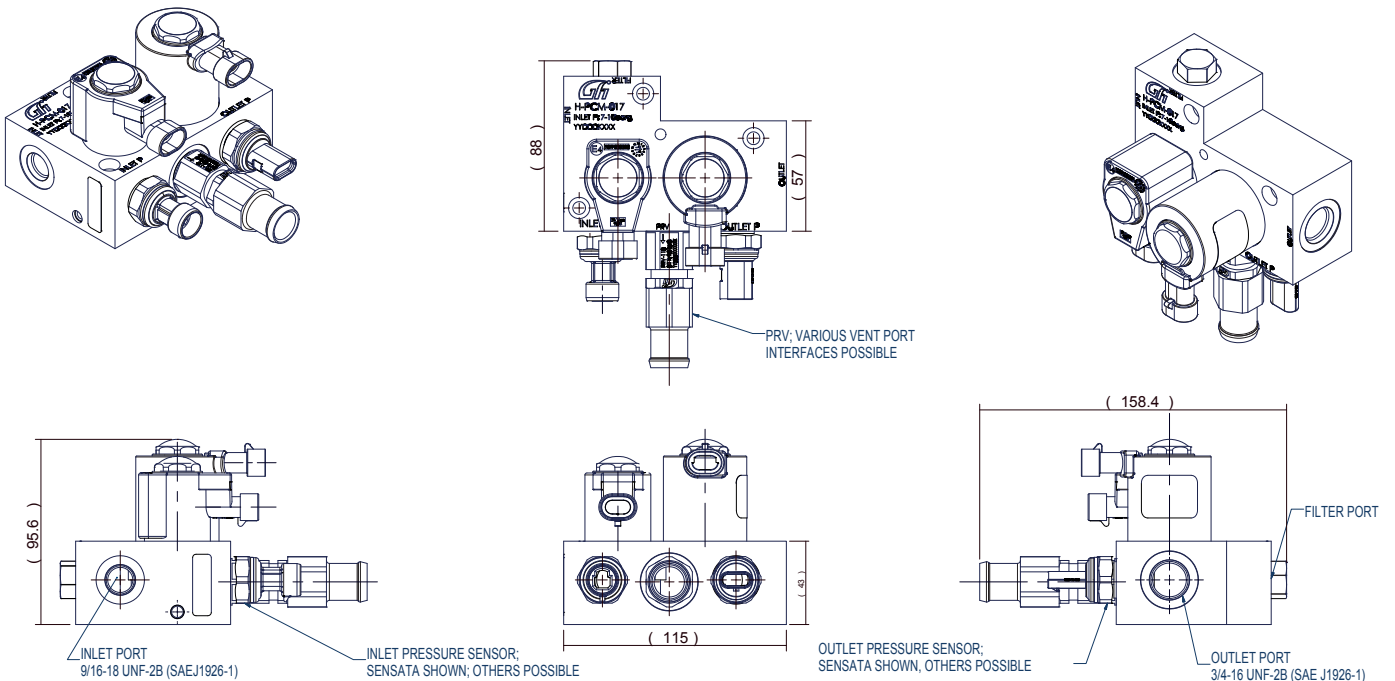


6WDEOHHOHFWURFD DOORU UROOHGRWOHWSUHVVXH  
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:LGHUDBRISUHVVXHUDBVDYDL0DEOH

# SPECIFICATIONS

H-PCM Series	
GENERAL INFORMATION	
APPLICATION	Hydrogen low pressure regulator
DESIGN	Electronically controlled proportional valve + isolation valve
BODY MATERIAL	Aluminum, anodized
FUEL TYPE	Hydrogen
PERFORMANCE	
NOMINAL WORKING PRESSURE	Up to 1.4 MPa (g); higher pressure customizations possible
REGULATED FLOW RATE	Configurable; > 4.1 g/s hydrogen
WORKING TEMPERATURE	-40 °C to 85 °C (-40 °F to 185 °F)
OUTLET PRESSURE	Configurable from 0.2 to 3 barg nominal; electronically controlled
PRESSURE RELIEF VALVE	Multiple settings available; to be determined with customer
FILTER (REPLACEABLE)	40 micron and 10 micron available
OPTIONAL PRESSURE SENSOR OR PORT	Customer defined
COIL - PROPORTIONAL VALVE	12V: 5.5 ohm @ 20 °C; 24V: 22.5 ohm @ 20 °C; PWM controlled
COIL - ISOLATION VALVE	12 V: 10.6 ohm @ 20 °C ± 5%; 24 V: 44 ohms @ 20 °C ± 5% AMP Super seal 1.5 series, male, 2 way
CONNECTIONS	
INLET THREAD TYPE	9/16" - 18 UNF; other configurations possible
OUTLET THREAD TYPE	3/4" - 16 UNF; other configurations possible

H-PCM-017 SHOWN; OTHER FORM FACTORS AVAILABLE AND CUSTOMIZATIONS POSSIBLE



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