AFH–316 SERIES
High Pressure Stainless Steel Filter

The Type AFH-316 Series of stainless steel filters are designed to stand up to the harshest environments while providing system protection from contamination. Proven 316L stainless steel housing assembly with two types of filter elements, polyethylene or 316L stainless steel, make the AFH-316 ideal for challenging applications such as pipelines, offshore platforms and sour gas media.

Versa's high pressure filter is designed to accept up to 6000 psi input and is available in three configurations, 1/4" NPT inline mounting, 1/4" NPT inline mounting with additional outlet port in the cap and manifold mount (consult factory for manifold mount information).

The additional outlet port in the inline cap provides for a gauge or alternate signal port, eliminating extra fittings. The manifold mount interface facilitates the connection to a customer designed manifold system requiring an integral filter.

The 316L stainless steel construction is ideal for sour gas and/or corrosive environments and is NACE compliant, meeting sulfide stress cracking material requirements for NACE Standard MR0175.

The assortment of available filter element sizes ensures the proper selection for system design, providing efficient contamination removal for maximum protection.

AFHA-3020-316

Media: Pneumatic/Natural Gas	Pressure:	Volume: 0.25 oz. condensate capacity
Filter Microns:	Supply Max: 0-6000 psig (0-414 BAR)	
Polyethylene: 10 or 25	0-4000 psig (0-275 BAR) with purge valve	Materials:
316 Stainless Steel: 3, 10 or 25	0-1600 psig (0-110 BAR) (-VA option)	Body: 316 Stainless steel
Port Size:		
Inlet/Outlet: ¼" NPT	Filter Temperature:	Seals: FKM (fluorocarbon) (standard)
Flow rate: 0.7 Cv	Polyethylene: -4°F to 180°F (-20°C to 82°C) std	Nitrile (-44) (optional)
(10 Micron Polyethylene 0.5 Cv)	-40°F to 180°F (-40°C to 82°C) (-44 option)	
Maximum Differential Pressure:		
Polyethylene: 20 PSID	316 Stainless: -4°F to 250°F (-20°C to 120°C) std	Filter Element: Polyethylene or 316 stainless steel
316 Stainless: 200 PSID	-65°F to 250°F (-54°C to 120°C) (-44 option)	w/ engineered polymer insert

316 Stainless Steel Filter Ordering Information

PART NUMBER SELECTION GUIDE
AFHA-30 2 0-316-EP

Series

AFHA: High pressure filter, NACE Compliant

Porting Type

30 = 1/4" NPT Side Port
33 = 1/4" NPT Side Port with Additional Outlet Port
(For manifold mount options consult factory)

Filter Elements

1 = 10 Micron Polyethylene
2 = 25 Micron Polyethylene
3 = 3 Micron Stainless Steel
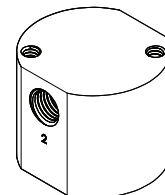4 = 10 Micron Stainless Steel
5 = 25 Micron Stainless Steel

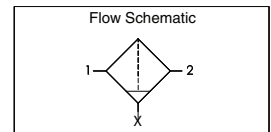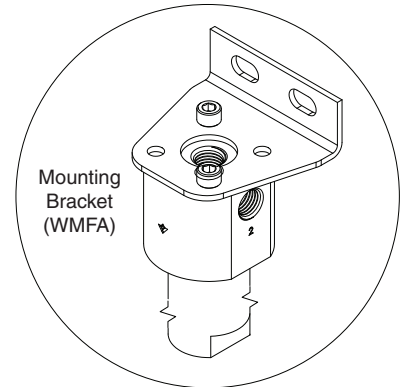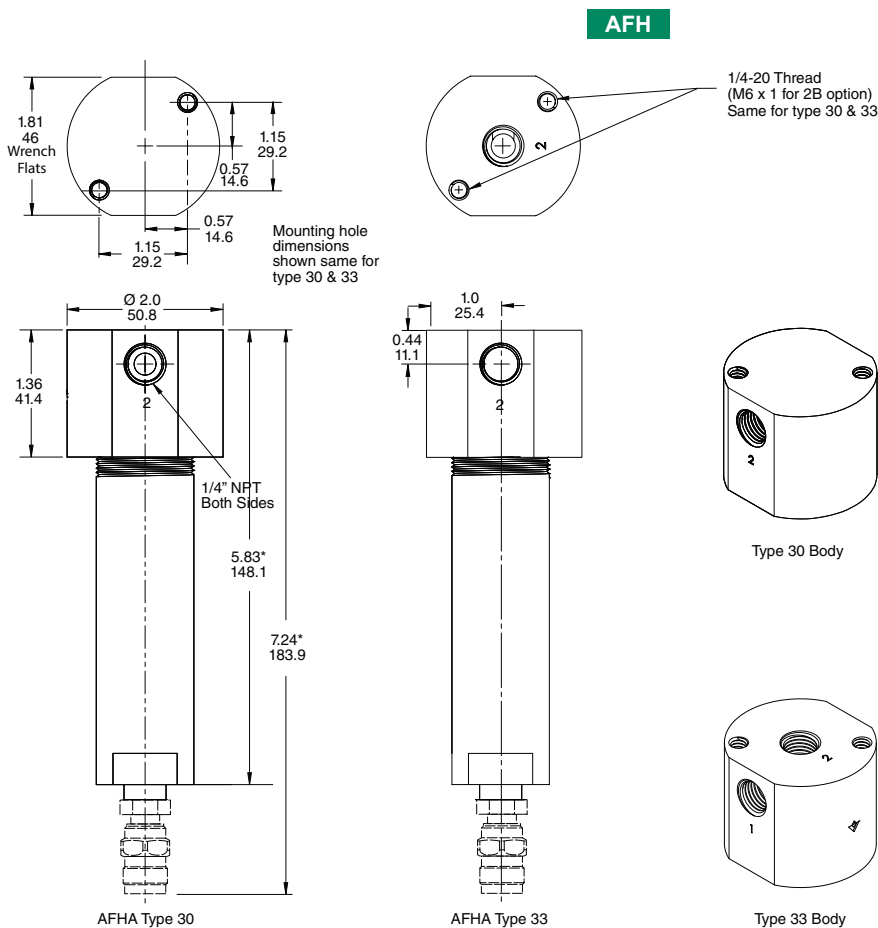### Options

-EP = Low Temp, Ethylene Propylene
-2B= 1/4G Threads
-44 = Low Temperature, Buna
-WMFA Mounting Bracket

Material

316 = 316 Stainless Steel

Drain Options

0 = Drain Plugged
1 = Drain Valve Supplied

AFH

1.81
46
Wrench
Flats

1.15
29.2

0.57
14.6

0.57
14.6

1.15
29.2

Mounting hole
dimensions
shown same for
type 30 & 33

1/4-20 Thread
(M6 x 1 for 2B option)
Same for type 30 & 33

Mounting
Bracket
(WMFA)

Ø 2.0
50.8

1.36
41.4

1/4" NPT
Both Sides

5.83*
148.1

7.24*
183.9

AFHA Type 30
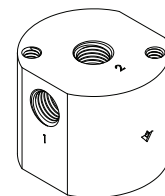
*Allow at lest 3" clearance from bottom
of filter for element replacement.

1.0
25.4

0.44
11.1

AFHA Type 33

Type 30 Body

Type 33 Body

Flow Schematic

IN
mm

Replacement Elements

Filter Material	Part Number
Polyethylene	AFH-090-105-10-RK
Polyethylene	AFH-090-105-25-RK
316 Stainless Steel	AFH-090-105-03-316-RK
316 Stainless Steel	AFH-090-105-10-316-RK
316 Stainless Steel	AFH-090-105-25-316-RK

Suffix Options

Suffix detail	Description
-2B	1/4G thread
-EP	Low Temperature service, Ethylene Propylene
-44	Low Temperature service, low temp Buna
-VA	Filter for VMAP installation
-WMFA	Mounting Bracket