



***"A leading worldwide supplier of high efficiency filters for a variety of industries and applications."***

## **HIGH PRESSURE COMPRESSED GAS FILTER FOR ALTERNATIVE FUELING STATIONS**

Our model UHPC5V-SL (1"NPT) are specially designed for high pressure compressed gas coalescing filtration. The units are machined of carbon steel with a complete nickel coating for rust protection. The assemblies provide high efficiency filtration with a double walled coalescing filter element which removes large quantities of liquid, and being 90%+ void volume, gives very long service life. A 3.25" reservoir area allows collection of large volumes of liquid before draining.

Our spring loaded elements provide positive sealing even in the most demanding pressure cycle conditions. Elements are reinforced inside and out to provide the utmost filter performance and security.



### **Features:**

- Carbon Steel Housing With Nickel Coating For Rust Protection
- 6000 PSIG Maximum Pressure At 400°F
- Reinforced Microfiber And Stainless Steel Spring Loaded Elements Available
- Large Capacity Reservoir
- SAE Porting Available

### **Applications:**

- High Pressure CNG Fuel Dispenser Service Filter
- Alternative Fuel Station Filter
- Booster Compressor Service Filter
- Storage Gas Filter

Liquid aerosols, primarily lube oil carryover are common in high pressure compression systems. Our reinforced microfiber coalescing elements are ideal solutions since the glass fiber is excellent at capturing submicron aerosols and the inner and outer stainless steel support cores protect the element from dynamic pressure swings. Our SL series of spring loaded elements are constructed with inner and outer stainless steel retainers to provide a 75+ PSID rating. We recommend using our CS grade (all glass fiber) coalescing spring loaded elements for continuous removal of liquids without the loss of efficiency in natural gas service.

# HIGH PRESSURE COMPRESSED GAS FILTER FOR ALTERNATIVE FUELING STATIONS

- 100% Machined Housing
- Fuel Gas Filter
- Wellhead Control Panel Filter
- Stainless Steel Spring Loaded Elements Available
- 500 PSID With Stainless Steel Element



## TECHNICAL INFORMATION

Housing Model	UHPC5V-SL
Port Size (NPT)	1"
Drain (NPT)	1/4"
Maximum Pressure (psig)	6000
Maximum Temperature (°F)	400
Internal Volume (cc)	700
Principle Dimensions: (inch)	
Center Of Port To Head	1.18
Head Diameter	4.33
Overall Length	12.00
Element Removal Clearance	9.32
Reservoir Depth	3.25
Weight of Housing (lbs)	26.0
Standard Element Code (1)	SL38-152-□
Reinforced Element Code	SL76-304-RC
Materials Of Construction:	
Head & Bowl	Carbon Steel With Nickel Coating
Internals	316L Stainless Steel / Carbon Steel
O-Ring (Standard)	Viton
Accessories:	
Buna-N Seal Set	BNUHPC5V
EPDM Seal Set	GEUHPC5V
Kalrez Seal Set	KZUHPC5V
<b>Viton Seal Set Standard</b>	<b>GVUHPC5V</b>
Mounting Bracket	MB150

## FLOW RATE IN SCFM FOR ABOVE ASSEMBLIES WITH GRADE 50CS <sup>(2)</sup> or 70CS <sup>(3)</sup>

Air Line Pressure (PSIG)	UHPC5V		
	50CS	70CS	RC
500	406	522	444
1500	1194	1536	1807
3000	2376	3057	2598
5000	3952	5085	4322
6000	4752	6114	5197

Notes: (1) Replace "□" with grade required, e.g. 38-152-70C  
 (2) Flow rates for Grade 50CS rated at 99.99% against 0.01 micron  
 (3) Flow rates for Grade 70CS rated at 95% against 0.01 micron

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