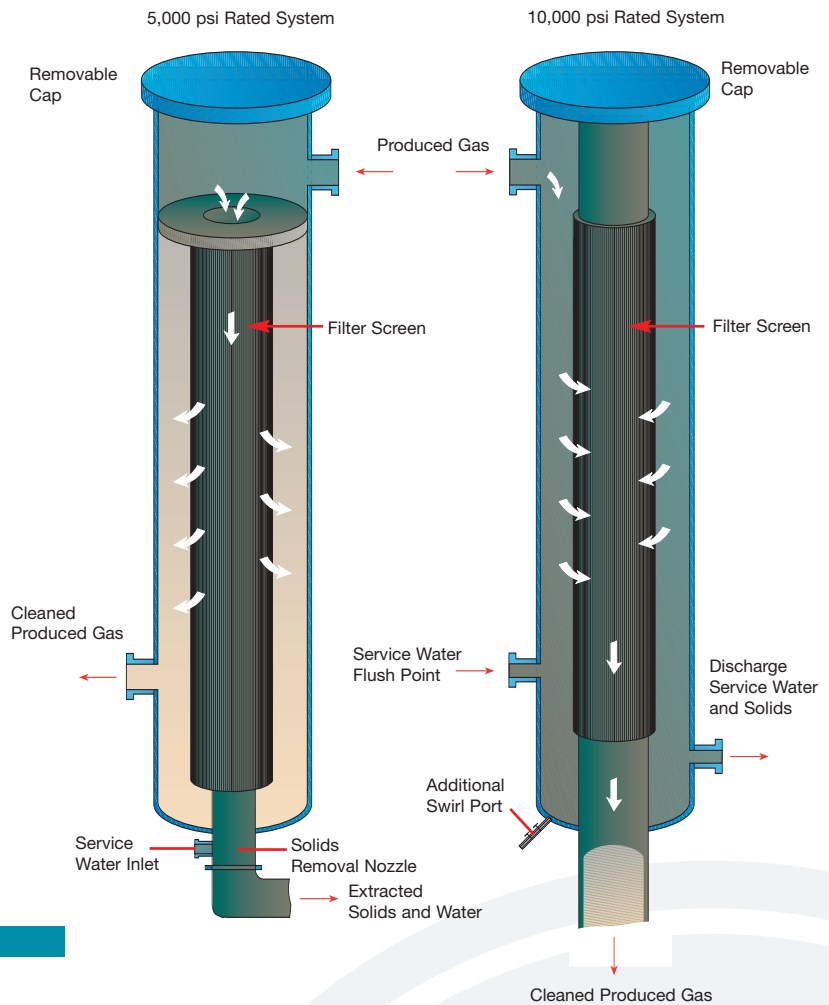


## Solids exclusion filter

The solids exclusion filter systems developed by Expro incorporate an in-line flushing technique which alleviates labour intensive operations. Filter elements do not then need to be removed at regular intervals and so, significant safety complications can be avoided when producing H<sub>2</sub>S gas in the flow stream. Online extraction drastically reduces the time and hazards associated with solid extraction systems.

Systems are available in two different working pressures: 5,000 and 10,000 psi. Both incorporate bespoke sand filters and also feature specially designed nozzles to enable solids to be extracted under pressure. This unique feature allows operations to be run continuously with minimal supervision.



### Features & Benefits:

- On-line solids removal
- Small footprint size
- High working pressures
- Combines proven technology
- Alleviates labour intensive activities and ensures safe operation
- Suitable for production platforms
- Greater operating flexibility
- Reliable filter systems



## Solids exclusion filter

### Technical Specifications:

#### Service

Working Pressure  
 Temperature Rating  
 Inlet Connection  
 Outlet Connection  
 Flush Water Inlet  
 Flush Water Outlet  
 Blowdown Outlet  
 Maximum Gas Rate  
 Maximum Liquid Rates  
 Screen Sizes Available  
 Solids Holding Capacity (approx)  
 (Dependent on particle sizes)  
 Design Code

#### Sour Service

5,000 psi (350 bar)  
 -25°F to 250°F (-31°C to 121°C)  
 3" 602 Union or H3 C25 Hub  
 3" 602 Union or H3 C25 Hub  
 2" 1502F Union  
 2" 1502M Union  
 2" 1502M Union  
 Dependent on Liquid Load and Screen Size \*  
 Dependent on Screen Size and Liquid Viscosity \*  
 100, 200 & 400 micron  
 1.22 ft<sup>3</sup> or 106lbs @  
 Density of 87lbs/ft<sup>3</sup>  
 BS 5500 Cat I, ASME VII Div 1  
 ANSI B31.3, NACE MR-01-075

#### Sour Service

10,000 psi (690 bar)  
 -25°F to 250°F (-31°C to 121°C)  
 3" 1502 Union or H4 D31 Hub  
 3" 1502 Union or H4 D31 Hub  
 2" 1502F Union  
 2" 1502M Union  
 2" 1502M Union  
 Dependent on Liquid Load and Screen Size \*  
 Dependent on Screen Size and Liquid Viscosity \*  
 100, 200 & 400 micron  
 Sand 10 ft<sup>3</sup>, or 870 lbs @ Sand  
 Density of 87 lbs/ft<sup>3</sup>  
 BS 5500 Cat I, ASME VII Div 1  
 ANSI B31.3, NACE MR-01-075

#### Dimensions

Size	2.15 m x 1.83 m x 4.2 m	1.8 m x 2.1 m x 3.8m
Weight	5,000 kg	9,500 kg

\* Sand filter sizing is highly dependent on the flowing conditions and are usually based on the worst case expected flowing parameters. To ensure appropriate specification of filter, contact Expro's engineering team for assistance.

### Certification:

Certified by Bureau Veritas