

## Debris/Junk Catcher

**The Expro Debris/Junk catcher manifold is designed to remove drilling, formation and proppant based debris/ junk from wellbore fluids during well testing operations.**

The manifold assembly minimises potential damage to pressure control and measuring equipment installed downstream by having a debris/junk filter vessel installed horizontally on each side of the manifold with independent upstream and downstream manual isolation gate valves. These valves provide dual flow paths to allow removal and cleaning /replacement of the filter screens without interrupting the well flow.

The debris/junk filter screens are designed for inside to outside flow and require to be removed from the vessel for cleaning. Flushing and drain ports are provided on the filter vessels along with ports for bleed off and pressure measurement.

The filter screens can be supplied in a broad range of sizes and designs, with various amounts of holes/slots, up to a full filter wire wrapped screen with a typical range of 400, 800 & 1200 microns if required.

The screen also has a removable NPT plug installed on the closed end to allow mechanical cleaning or flushing of difficult to remove debris or junk from the screen.



### Features and benefits

- Well stream produced directly to the unit.
- No requirement for choking upstream flow
- Dual isolation allows continuous operation without down-time during well clean-up
- Removable inserts enable ease of changing
- Allows inspection of the insert for wear

### Applications

- Onshore and offshore well testing.
- Clean-up and flow back operation.

### Technical specifications

<b>Maximum working pressure</b>	10,000psi	15,000psi
<b>Working temperature range</b>	-29 to 121 Deg C (-20 to 250 Deg F)	-29 to 177 Deg C (-20 to 350 Deg F)
<b>Service conditions</b>	H2S / CO2	H2S / CO2
<b>Process flow rates</b>	35 MMScfd gas 5,000 BPD liquid	50 MMScfd gas 5,000 BPD liquid
<b>Maximum gross mass tare mass (actual) payload</b>	5,500 Kgs 5,000 Kgs 500 Kgs	7,500 Kgs 7,000 Kgs 500 Kgs
<b>External dimensions</b>	2991mm x 2438mm x 990mm (LxWxH)	2991mm x 2650mm x 1100mm (LxWxH)
<b>Inlet /outlet connections</b>	3" 1502 female/male	3 1/16" 15K flange or D27 hub
<b>Drain /flush connections</b>	1-13/16" API flange / 1" AEMP female with pressure test blinds	1-13/16" API flange / 1" AEMP female with pressure test blinds
<b>Filter screens</b>	SS 316L material with nominal sizing of 110mm diameter x 1675mm overall length, screen range of 400, 800 & 1200 microns with options of holed or slotted screens available on request	SS 316L material with nominal sizing of 110mm diameter x 1675mm overall length, screen range of 400, 800 & 1200 microns with options of holed or slotted screens available on request
<b>Manufacturing codes</b>	API 6A, PSL3, ASME VIII Div2, NACE MR01.75, DNV 2.7-3	API 6A, PSL3, ASME VIII Div2, NACE MR01.75, DNV 2.7-3

Note: Other sizes, configurations and pressure ratings are available to meet most applications. For more information contact your local Expro representative or email [welltesting@exprogroup.com](mailto:welltesting@exprogroup.com)