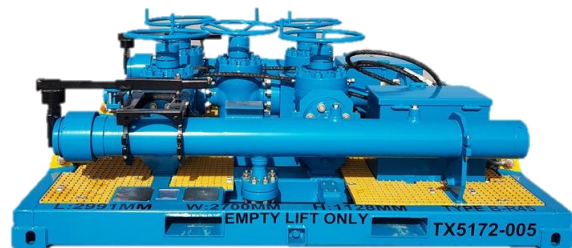


Debris/junk catcher

The Expro debris/junk catcher manifold is designed to remove drilling, formation and proppant-based debris/junk from the wellbore fluids during well testing operations to minimise the potential damage to pressure control and measuring equipment installed downstream.

The manifold assembly has a debris/junk filter vessel installed horizontally on each side of the manifold with independent upstream and downstream manual isolation gate valves to provide dual flow paths and allow removal and cleaning or 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 designs and sizes from the debris or junk catcher type screen with various sizes of holes or slots on demand to a full sand filter wire wrapped type screen with typical range of 400, 800 & 1,200 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 when required.



Features and benefits

High operating pressures allows the well stream to be produced directly to the unit without the need for choking the flow upstream

Dual isolation allows continuous operation without any downtime during well clean-up

Removable inserts enables ease of changing and gives flexibility for increased performance (also allows inspection of the insert for wear)

Applications

Onshore and offshore well testing

Clean-up and flow back operation

Technical specifications

Maximum working pressure	10,000psi	15,000psi
Working temperature range	-29 to 121 deg C (-20 to 250 deg F)	-29 to 177 deg C (-20 to 350 deg F)
Service conditions	H ₂ S/CO ₂	H ₂ S /CO ₂
Process flow rates	35 MMScfd gas 5,000 BPD liquid	50 MMScfd gas 5,000 BPD liquid
Maximum gross mass Tare mass (actual) Payload	5,500 kgs 5,000 kgs 500 kgs	7,500 kgs 7,000 kgs 500 kgs
External dimensions	2,991mm x 2,438mm x 990mm (LxBxH)	2,991mm x 2,650mm x 1,100mm (LxBxH)
Inlet/outlet connections	3" 1502 female/male	3 1/16" 15k flange or D27 Hub
Drain/flush connections	1 13/16" API flange/1" AEMP female with pressure test blinds	1 13/16" API flange /1" AEMP female with pressure test blinds
Filter screens	SS 316L material with nominal sizing of 110mm diameter x 1,675mm 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 1,675mm overall length, screen range of 400, 800 & 1,200 microns with options of holed or slotted screens available on request
Manufacturing codes	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