

# Well Flow Management

## Well Testing | Solids management system

### Debris Catcher

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

The manifold assembly minimizes the potential damage to pressure control and measuring equipment installed downstream, having a debris 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 or replacement of the filter screens without interrupting the well flow.

The debris 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.

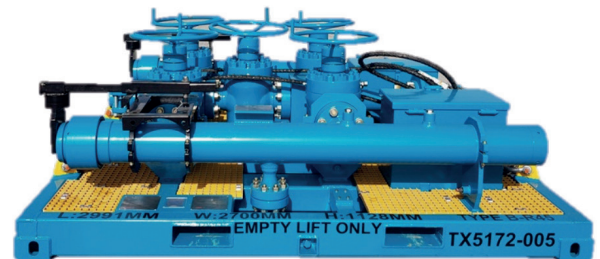
Filter screens can be supplied in a broad range of designs and sizes from the debris or junk catcher type screen with various sizes of holes or slots on demand to a full sand filter wire wrapped type screen with typical range of 400, 800 & 1,200 microns if required. The screen also has a removable NPT plug installed on the closed end to allow mechanical cleaning or flushing of difficult to remove debris or junk from the screen when required.

#### Applications

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

#### 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





# Well Flow Management

Well Testing | Solids management system

## Debris Catcher

Technical specifications		
Nominal ID inches (mm)	3 (76.2)	3 (76.2)
Maximum working pressure psi (bar)	10,000 (690)	15,000psi (1,034)
Working temperature °F (°C)	-20 to 250 (-29 to 121)	-20 to 350 (-29 to 177)
Maximum gas rate MMscfd (m3 / day)	35 (991,090)	50 (1,415,842)
Maximum liquid rate bpd (m3 / day)	5,000 (795)	5,000 (795)
Weight (dry) lbs (kgs)	12,125 (5,500)	16,535 (7,500)
External dimensions (L x W x H) ft. (m)	9.81 x 8 x 3.25 (2.99 x 2.44 x 0.99)	9.81 x 8.69 x 3.61(2.99 x 2.65 x 1.10)
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	

Note: Designed and fabricated to API 6A - PSL3, ASME VIII Div2, NACE MR01.75, DNV 2.7-3.

Filter screens are available in 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.

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