

## DEBRIS / JUNK CATCHER

### PRINCIPLE OF OPERATION

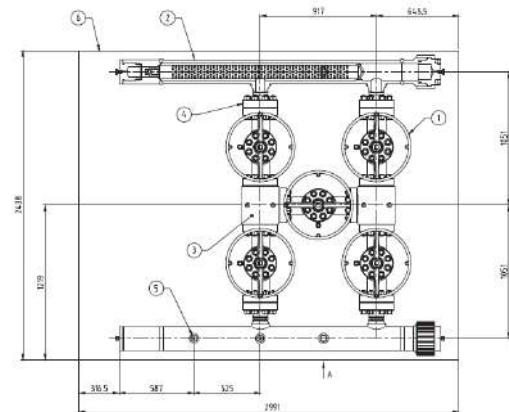
MEEM Debris Catcher is designed to retrieve the Fracturing isolation drillable plugs used in between formation fracturing multi stages. With an interchangeable screen slotted or holed, It allows the user to weight and measure accurately the plugs debris returned to surface.

The Junk catcher is designed to remove drilling, formation and proppant based debris / junk from the wellbore fluids during well testing operations to minimize the potential damage to pressure control and measuring equipment installed downstream. This equipment helps to prevent plugging of chokes and other process equipment's downstream.

### Features and benefits

#### On-line debris removal

- Upstream and downstream isolation for screen removal and cleaning.
- Bypass valve for complete bypass of manifold in case of plugging.
- Bleeder ports fitted.
- Cap Hinge for easy installation and removal of the debris catcher screen.
- Highly durable FLS design 3" 1/16 Frac valves.



### Applications

- ☐ Well testing
- ☐ Clean-up operations
- ☐ Post Frac operations
- ☐ HPHT

### Technical specifications

	MINIMUM	MAXIMUM	UNITS
Operating Temperature	-20	250	°F
Operating Pressure	0	10,000	psig
Screen Type	SS 316L material with nominal sizing of 110mm diameter x 1675mm overall length and stock screen range of 12/64" with options of holes or slotted screens available on demand		
Service Conditions	H2S / CO2		
Process Flow rates	35 MMScfd Gas / 5,000 BPD Liquid		
Inlet / Outlet connections	3" 1/16 API 6A 10K Flange		
External Dimensions (Footprint)	2991 mm x 2438 mm x 990 mm (L x B x H)		
Maximum Gross Mass	5,500 KG		
Tare Mass	5,000 KG		
Payload	500 KG		
Screen size	12	/64 <sup>th</sup> in	
Vessel connection	9" – 4 OTIS with collar and blind		
Vessel Capacity	0.032	M3	
Design Codes	Vessel : ASME VIII Division 2. API6A / Monogram Material Class : EE-NL, Temperature Class :P+U, Testing level : PSL-3 Service : NACE MR-0175 Lifting Spec : EN12079		