

VENTURI JUNK BASKET



TOOL APPLICATIONS

The Venturi Junk Basket is used to remove debris from the wellbore. Using the "Venturi Principle", this tool functions similarly to a vacuum basket cleaner and allows solids to be stored in an integral debris chamber and transported to surface for safe disposal.

When fluid is pumped through the coil tubing to the Venturi, nozzles direct the flow to the OD of the tool toward the bottom, a vacuum is created in the Venturi chamber and fluid and debris is drawn into the bottom of the tool.

A debris Screen is located between the venturi chamber and the cages that will hold the debris inside the tool. the cages are used to trap the debris from falling out, and the Screen prevents it from recirculating around the ports.

An important feature of the Venturi is that it is not dependant on the hole size to work.

FEATURES AND BENEFITS

- Suitable for high temperature environments
- Suitable for torque thru applications
- Simple, robust design ensuring ease of operation for the end user
- Hexagonal flats for safe make-up & break-out
- Range of cages, screens and extension tube length available
- Tool size is Independent of hole size

SPECIFICATIONS

Technical Variable		Units	Size		
			1 1/16"	2 1/4"	3 1/8"
Max OD		in	1.687	2.125	3.125
Min ID		in	1.031	1.313	2.030
Connection	Top	Box	1" AMMT	1 1/2" AMMT	2 3/8" REG
	Extension	Pin	1.687 CWP	2.250 CWP	3.125 CWP
Make Up Length		in	33.50	48.00	42.00
Strength	UTS	lbs	67,555	86,883	141,081
	Torsional	ft.lbs	699	1,067	4,825
Make Up Torque		ft.lbs	500	900	3,250
Nozzle Size		in	0.354", 0.374", 0.394", 0.433"		

Refer to manufacturing manual for flow rates and further information.