



VORTEX FLUID SYSTEMS INC.

vortexfluidsystems.com

1000 GPM 10 CONE LINEAR MANIFOLD

DESCRIPTION

The hydrocyclone package shown in this specification sheet has ten premium four inch hydrocyclones in a linear configuration with a total processing capacity of 1000 GPM. Each hydrocyclone is capable of processing 100 GPM and comes with a head, straight cylindrical, and a cone section. The tip of the cone section has a polyurethane nut and adjustable nozzle wear piece. The feed and overflow for the manifold have a 6 in [15.25 cm] diameter. All fasteners are stainless steel. Holes for optional pressure gauges are mounted on the top.

DISCHARGE PAN

The discharge pan is deep enough to catch spray for clean operation and wide enough to allow easy access to the polyurethane nut adjustment. The discharge pan has a sloped bottom to eliminate solids buildup, and discharges to a 6 in [15.25 cm] diameter discharge.

MOUNTING OPTIONS

The 10 cone linear manifold can be mounted on a Orbital 3 Panel mud cleaner, four panel mud cleaner, horizontal boring-shaker as well as the standard, dual, tripple flowline shakers. The 10 cone manifold can be sold with or without a pan. A simple stand is also available without a pan.

FEATURES

- PROCESSING CAPACITY:** 1000 gal/min
- POLYURETHANE:** low wear proprietary blend
- FASTENERS:** stainless steel
- CONE NOZZLE DIAMETER:** adjustable with a polyurethane nut and nozzle wear piece
- FASTENERS:** stainless steel
- U-JOINT:** polyurethane replaceable
- PRESSURE SENSOR MOUNT:** two holes for optional feed pressure sensor
- SLOPED PAN:** eliminates solids buildup
- WIDE PAN:** allows for room to access cones



POLYURETHANE

The polyurethane used to cast these hydrocyclones is a proprietary blend. In testing, this blend has shown to significantly exceed 90% alumina ceramic in abrasion wear resistance. Since these cones have better wear properties than our ceramic lined cones, Vortex no longer produces cones with ceramic inserts.

HEAD SECTION

The hydrocyclone head has both a ramped and involute, entry to allow for greatly enhanced wear properties and better performance than many standard hydrocyclone heads.



VORTEX FLUID SYSTEMS INC.
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SPECIFICATIONS AND DIMENSIONS

1000 GPM 10 CONE LINEAR MANIFOLD

NAME: 1000 GPM 10 Cone Linear Manifold
NUMBER OF CONES: 10
CONE TYPE: 4 in
PROCESSING CAPACITY: 1000 GPM
INLET PRESSURE: 70 feet of head
NOZZLE ADJUSTMENT: polyurethane nut
WEIGHT: 980 lb [445 kg]
DIMENSIONS LWH: in [cm]
DISCHARGE DIAMETER: 6 in victaulic
FEED DIAMETER: 6 in victaulic
OVERFLOW DIAMETER: 6 in victaulic
PRESSURE SENSOR: 3/4 in femail fitting

