

# RK300PE

PROTEIN FRACTIONATOR  
 FLOW: 300GPM @ 2 MIN. DWELL  
 HDPE Molded Tank  
 not to scale

internal rinse system:  
 system water  
 retracting nozzle jet

riser configuration

external rinse system  
 high pressure - freshwater  
 4 nozzle jets.

**L** effluent drain union  
 back-side of  
 upper riser chamber  
 (not shown)

**K** electronic interval timer  
 3/4" fipt (rinse system) x2

venturi anti-siphon  
 air/ozone intake

Kynar venturi  
 w/ ozone  
 & anti-siphon connx.

**I** filter discharge  
 return manifold  
 6.0"

Dedicated venturi pump  
 10.5/5.2 amp max.  
 @110/220v 50/60Hz 1ph.

HDPE Pump pad  
 18"x24"x3"

**O** ozone vent union

upper riser chamber  
 clear acrylic

Clear Sight Gauge  
 (Tank level monitor)

2" vent - (discharge manifold)

**M** 3" intake (x2)  
 (standard locations  
 @ 90° & 270°)

110"

reaction chamber  
 HDPE custom molded  
 48" dia. (46cm dia.)

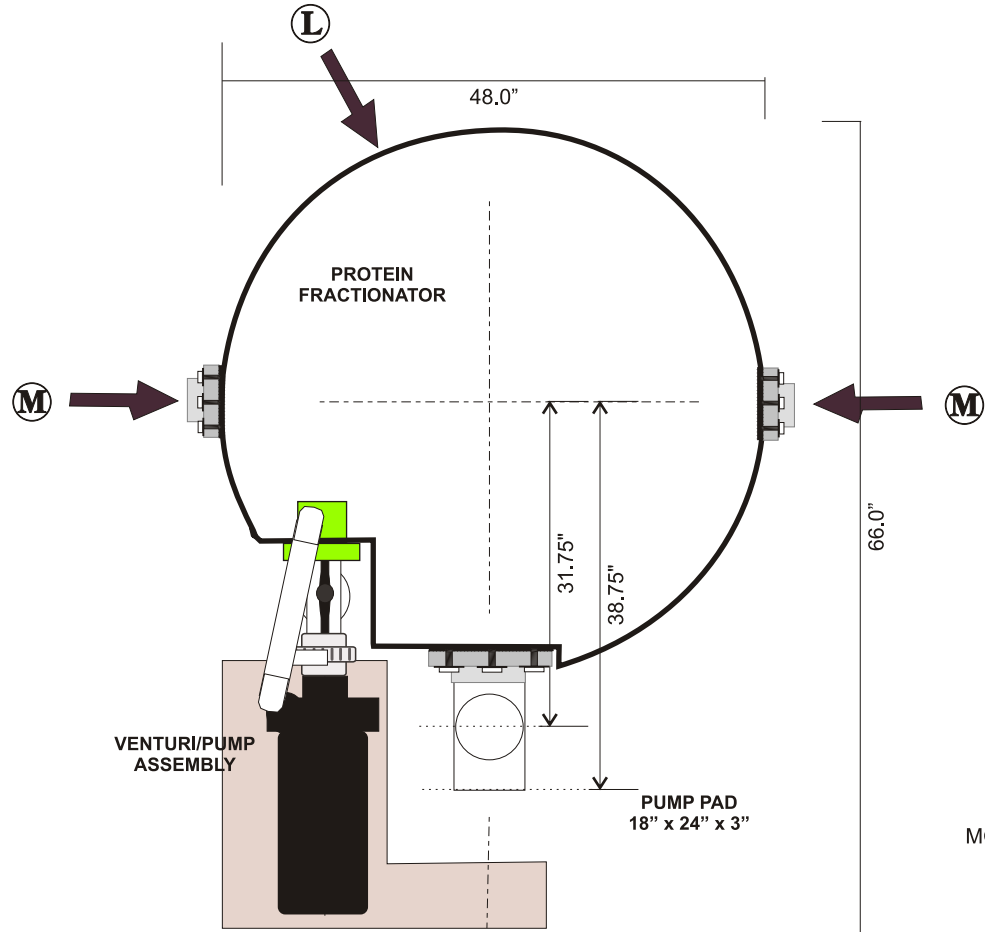
**N** level control valve

Floor

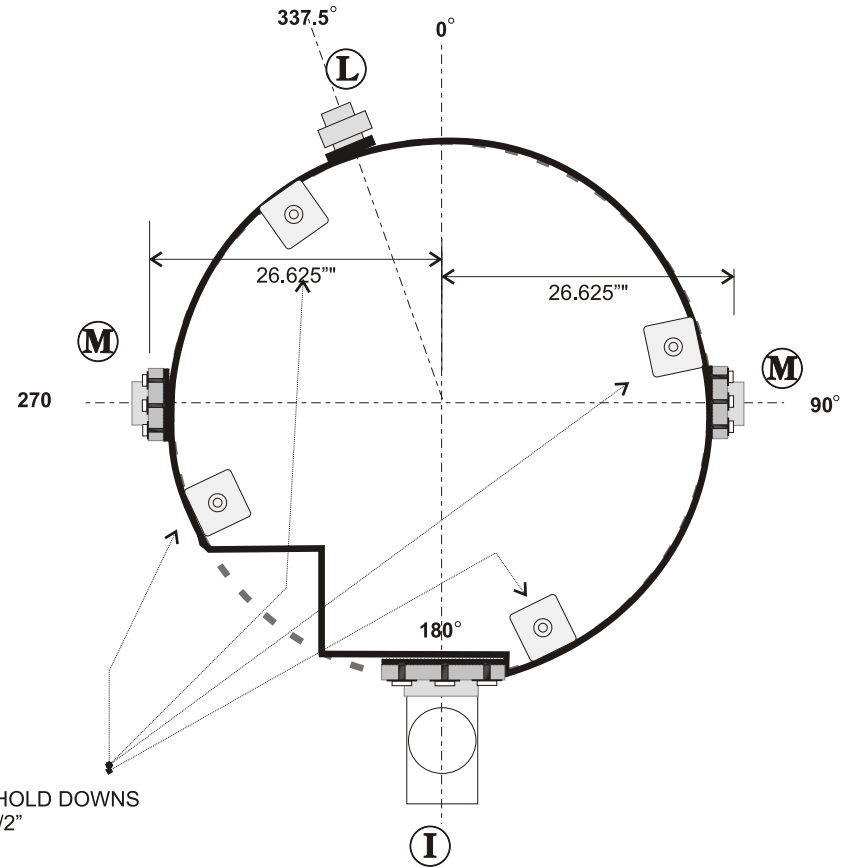
48.0"

# RK300PE PROTEIN FRACTIONATOR PORT CONNECTION CONFIGURATIONS

TOP VIEW:



PORT ORIENTATION



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- Ⓜ = FILTER INLET. 3" PVC STD. FLANGE (x2), HORIZONTAL POSITION. HEIGHT = 60.0"
- Ⓛ = EFFLUENT DRAIN. 2" PVC SCH40 SLIP UNION, HORIZONTAL POSITION. HEIGHT = 64.0".
- Ⓢ = FILTER DISCHARGE. 6" PVC SCH40 SLIP TEE, HORIZONTAL POSITION. HEIGHT = 60.0"  
GRAVITY DRAIN, INITIAL 12" MUST DROP VERTICALLY, NO LATERAL PIPING.
- Ⓞ = OZONE VENT. 2" PVC SCH40 SLIP UNION. HEIGHT = 104"
- Ⓚ = RINSE SYSTEMS. ELECTRONIC CONTROL VALVES 3/4" MIPT. HEIGHT = 50"  
2 - 9V BATTERY PER VALVE.