

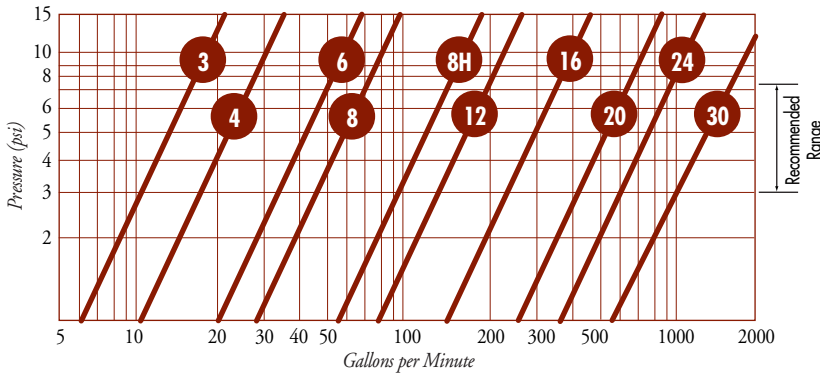


Hydrocyclone Separators

for Gold Mines

**Separates Solid Matter from Water
with Better Than 90% Efficiency**

HYDROCYCLONE Headloss



HYDROCYCLONE MICRON/MESH

Mesh	120	140	180	200	270	325	600
Micron	130	105	90	75	53	44	25

HOW TO USE THE CHARTS: Find your system flow rate on the Headloss Chart. Move vertically up the chart until you intersect within the recommended range. This indicates a particular hydrocyclone size. If your flow rate does not intersect within the recommended range, two smaller units in combination are suggested. Degree of separation is dependent on the head loss across the hydrocyclone. The Micron Chart shows the relationship between pressure loss across each hydrocyclone and the particle sizes separated.

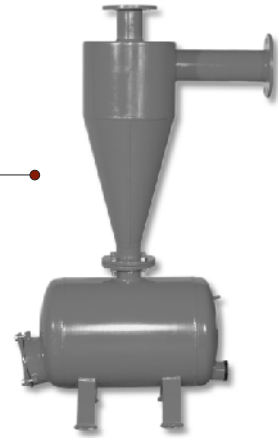
NOTE: If material to be removed is extremely fine, use a higher head loss and/or multiple hydrocyclone units of a smaller size. A smaller hydrocyclone can remove finer particles than a hydrocyclone with a larger diameter.

Product Advantages

- Conical shaped separator accelerates the velocity of the water or solution increasing the centrifugal forces and maximizing separation.
- Large rubber cone enhances separation without wearing the 16", 20", 24" and 30" separators
- Flushing frequency is reduced due to the large holding capacity of the collection tank.
- Removes solids, alleviating dirt load for the backup filter.
- Adds years of performance to the life of your system.

Installation & Operation Guidelines

- Unit must be installed vertically with sedimentation tank under the hydrocyclone.
- The sedimentation tank should be drained when it is one-third full.
- Do not let sedimentation tank get filled more than one-half it's volume - failure may cause corrosion and void the manufacturer's warranty.
- The sedimentation tank can be flushed manually or automatically with the addition of an electric valve and timer.



Applications

- For separation of solid matter from solution.
- Protects pumps, valves and water systems from damage and abrasion caused by debris.
- Pre-filtering of water or solution with high loads of solids before screen filters and disc filters.
- Reclamation projects.

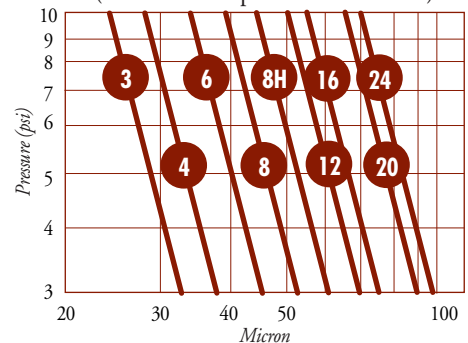
Specifications

Maximum working pressure: 120 psi

Recommended headloss for effective operation: 3 to 8 psi

100 micron polyester oven-cured protective coating with zinc phosphate under-layer

HYDROCYCLONE
(Particle size separation in Micron)



NOTE: The Micron Chart is based on sand with a specific gravity of 2.7 gr/cm.



NETAFIM USA
5470 E. Home Ave. • Fresno, CA 93727
888.638.2346 • 559.453.6800
FAX 800.695.4753
www.netafimusa.com

