

TOWNIPRENE® HYDROCYCLONES

DO-80 Classifying or De-Watering

Perfect for sand, silica, phosphate, clay and other mining applications where repeatable separation and sizing of fine particles is important.

With hydrocyclones, fluid pressure is converted into rotational momentum providing centrifugal classification of solids from slurries.

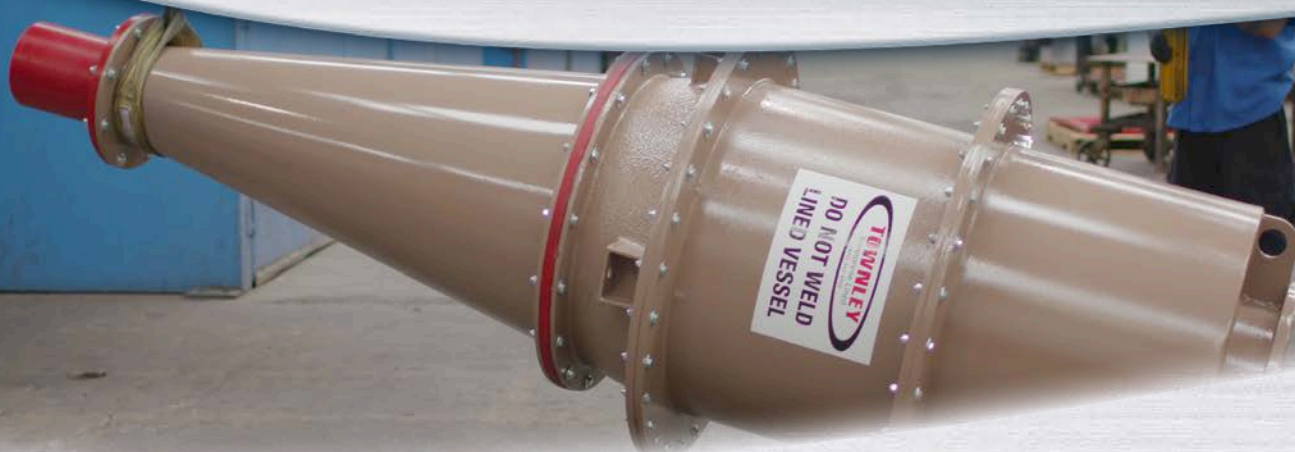
Townley hydrocyclones are designed and manufactured with replaceable Towniprene® urethane cone body and apex, and include a mating urethane lined feed chamber and vortex finder.

- One-piece Towniprene® urethane slide-in cone for easy replacement and reduced leaking
- Simple robust construction means trouble-free service
- 4" to 48" diameter cone body
- 14°, 20° and 30° slope to suit application
- Optimized chamber, apex, vortex finder and overflow to match your requirements
- Designed with beefed-up urethane at typical wear spots
- Fewer parts means simple assembly and reduced inventory
- Custom-built to your specifications
- Complete assemblies, including Townley valves, connects and overflows are available
- 50 to 5,000 gallon flow rates
- 15 to 300 micron separation
- Adoptable to existing set-ups
- Also available in rubber-lined or cast alloy
- Durable epoxy-painted steel body



TOWNLEY

Engineering & Manufacturing Co., Inc.



Size In Inches	Cone Angle Degrees	Volume GPM	PSI	Separation	Max Apex ID	Max Vortex ID	Feed Inlet 150#	Q-Flow Flange 150#	Overall Length	Empty WT.	Live WT.
6	14	40-200	10-50	15-40 micron	3	2	2	3	2 ft., 9"	90	110
10	20	100-400	5-35	25-44 micron	3	3	3	4	3 ft., 8"	115	165
12	20	110-500	5-30	30-44 micron	3	5	4	6	4 ft., 0"	170	250
14	14	175-650	5-28	38-44 micron	3	6	4	8	5 ft., 10"	250	425
15	14, 20	200-750	5-28	40-44 micron	3 or 4	6	4	8	6 ft., 5"	275	445
18	15	300-1000	5-25	40-63 micron	6	8	6	10	6 ft., 11"	375	720
20	20	350-1400	5-25	40-75 micron	6	9.5	6	10	8 ft., 3"	400	850
24	14, 20, 30	400-1900	5-25	63-100 micron	6	10	6 or 8	12	8 ft., 8"	655	1520
26	20	450-2600	5-25	75-150 micron	7	12	8 or 10	14	8 ft., 3"	775	1890
30	20	500-3500	5-25	110-210 micron	7	12	10 or 12	14	9 ft., 5"	1210	1720
36	20	2500-5000	5-25	150-300 micron	7	14	10	14	10 ft., 0"	1280	3470



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