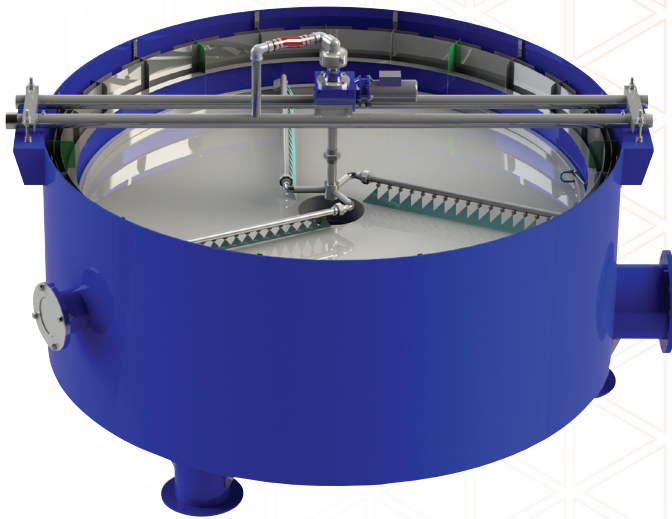
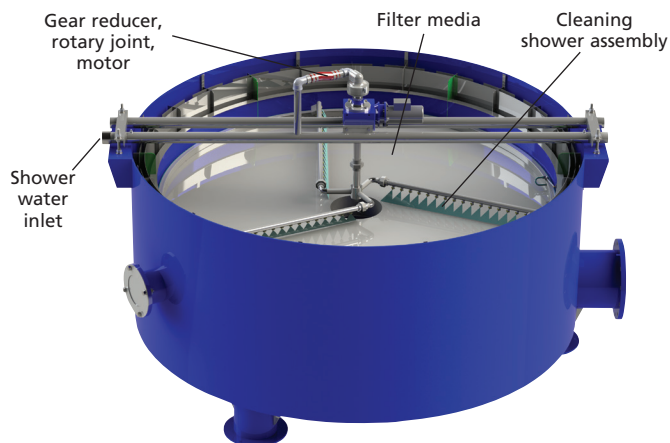


Gravity Strainer 4000 Series



Water to be filtered is piped into and channeled around the periphery of the tank of the gravity strainer 4000 series. It flows upward and over a weir assembly for even distribution over a fine screen (75 to 355 micron or 40 to 200 mesh). The water is filtered leaving fibers and solids on the screen. Clean water is collected in the strainer's bottom and flows from the unit. A continually rotating shower above the screen washes the rejects toward the center opening and the reject pipe for discharge. The strainers are especially effective separating difficult fibrous material from process water streams.



Overview



Features

- High flow rates with relatively high solids loading
- Gravity feed capability can eliminate pumps
- Continuous media cleaning with rotating showers
- Rotating shower is only moving part
- Corrosion-free fiberglass or stainless steel construction



Benefits

- Lower cost per gallon processed
- Minimal power cost and low maintenance
- Maximum throughput, minimal downtime, high efficiency
- No fresh water requirements
- BTU savings by reuse of warm process water

Gravity Strainer Model	Flow Capacity Range *		Nominal Diameter		Nominal Height**		Inlet/Reject Connection		Accept Connection		Gross Weight Dry – Wet		Shower Flow at 40 psi ***	
	gpm	lpm	inch	cm	inch	cm	inch	cm	inch	cm	lbs	kg	gpm	lpm
4005	96–610	365–2310	61	155	59	150	6	15	10	25	800–4500	363–2040	63	238
4015	163–1037	615–3925	73	185	69	176	8	20	12	30	975–7150	442–3243	90	341
4025	241–1537	910–5820	85	215	72	183	10	25	14	35	1300–9000	590–4082	108	409
4035	338–2153	1280–8150	97	245	75	190	12	30	16	40	1425–11050	646–5011	135	511
4045	511–3257	1935–12330	115	290	78	198	14	35	18	45	1760–16500	798–7483	162	613

* Capacity can vary depending on inlet loading and screen mesh.

** Height of support legs can vary to suit application.

*** Shower water is usually accept water from the gravity strainer supplied at 25 to 40 psig.

These figures are given only for information. For application specific details and recommendations, contact Kadant.



Inflatable gasket on ring and airline connection.

“Slip-On” Screen

The patented slip-on gravity strainer screen system is designed for rapid screen replacement for a wide range of gravity strainer applications.

- Rapid screen replacement in 15 minutes or less
- Inflatable seal designed for easy visual inspection
- No sieve assembly to remove or disassemble
- No shower arms to disconnect, no screws to turn

