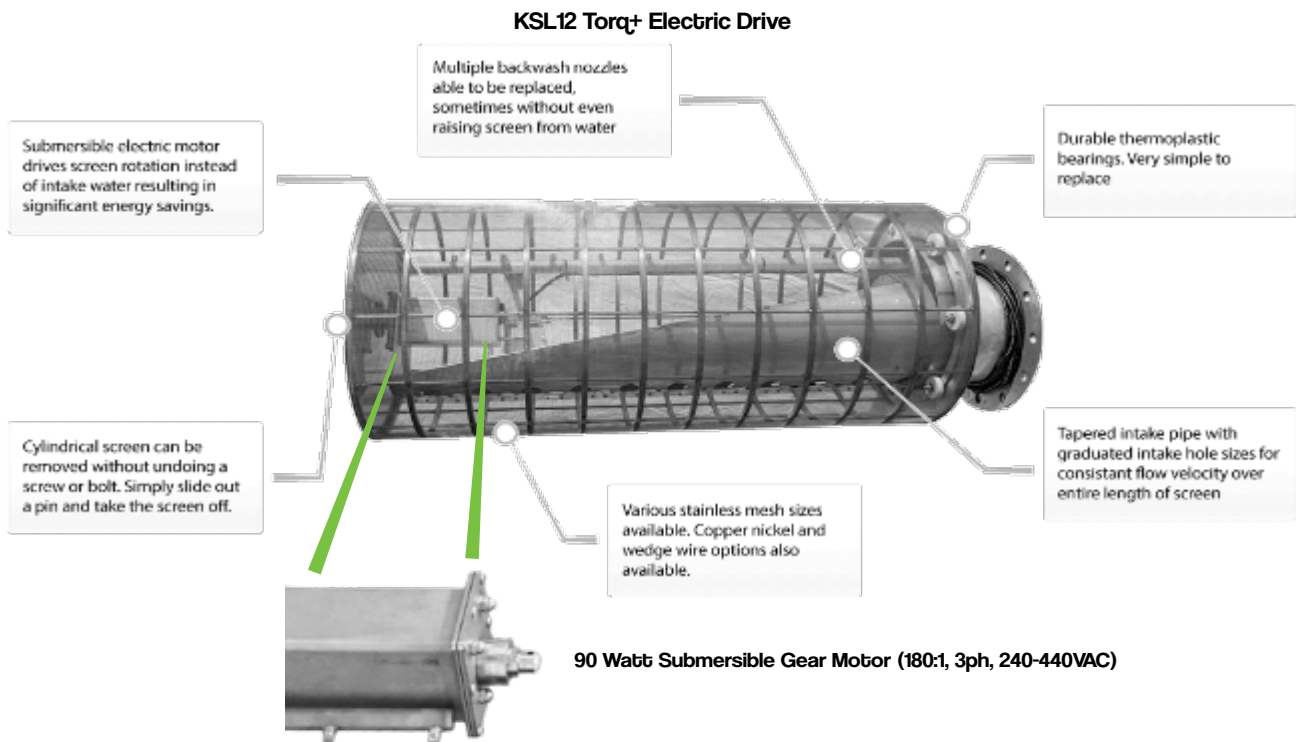


KST Torq+ Electric Drive

The KleenScreen Torque Plus (KST+) Range features an electric drive which increases cleaning efficiency by dramatically reducing the energy used to rotate the screen during its cleaning phase.

The system utilises a miniature variable speed drive in combination with a submersible gear-motor to increase the power of the drive, thereby increasing the reliability of the screen's self-cleaning operation.

The standard KSO Range rotate the screen cage by directing a water jet against a series of blades. Although this is effective, there are many cases where the screens are rotating continuously and so this drive jet can use a considerable amount of energy (up to 2 kW on the larger screens). The electric drive in the KST+ Range achieves the same result and uses just 10-20 watts. Pressurised water is still required to run the wash jets.



Features Of Kst+ Range



KleenScreens are designed and manufactured in New Zealand for local and overseas conditions.

NO ELECTROLYSIS

Materials are mainly stainless steel or plastic, which prevents a corrosive situation with dissimilar metals. A gasket and bolt bushes may be used to ensure that there is no contact with the intake pipe.

DURABLE AND RELATIVELY LIGHT

The stainless steel construction provides a strong and durable screen, with a relatively light weight.

FILTERING OPTIONS

The KleenScreen Torque-Plus range is available with 10, 20 or 30 mesh consisting of stainless steel woven

wire. Additionally sizes up to the KS140-T+ are available with a Wedge wire Cage with slots of either 1.0mm, 1.5mm and 2.0mm. The KS180-T+ & KS215-T+ are available with the 1.5mm wedge wire cage.

STANDARD CONNECTION

The KST+ range has AS2129 Table 'E' Flanges. Backwash connections are standard BSP male connections.

Benefits

ENERGY SAVING

As well as the benefits of installing a self-cleaning intake screen, the Torque-Plus range of KleenScreens further build on the energy saving benefit by using less water and therefore comparatively less energy to run the screen. This means that the size of the pump contributing to the backwash can be smaller and cheaper.

REPAIRS AND MAINTENANCE

The small screen holes filter water entering system. This can significantly reduce the wear on the pump and other system components, while also dramatically reducing the incidence of nozzle blockages.

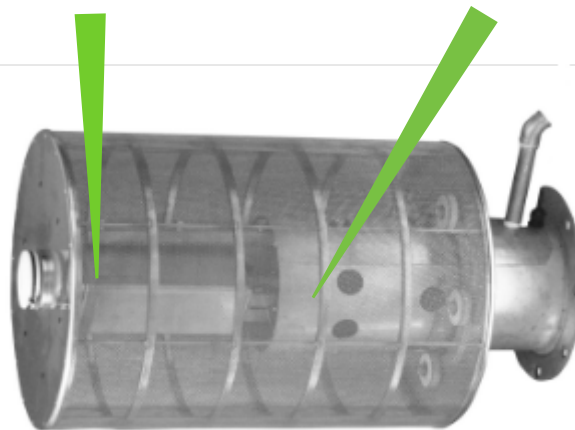
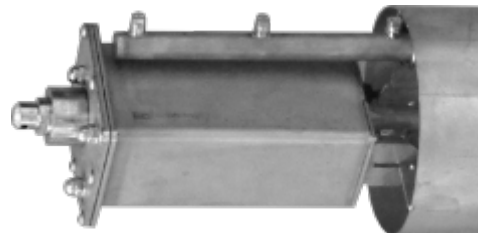
SERVICEABILITY

The screen can be easily serviced; no tools are required to remove the screen cage for internal maintenance.

DURABLE

Stainless steel and thermoplastic components ensure rugged construction and long operational life.

Compatible with KSO
and KSL ranges



KS65 T+

Flow | Pressure | Connections

Base Model	Maximum Flow (Wedge-wire with 0.5mm wire spacing)				Backwash Connection International (USA)	Outlet Connection International (USA)	Required Pressure for Backwash. Meters (USA)	Backwash Flow at Required Pressure. L/S (USA)
	L/S	M ³ /Hour	IGPM					
KS50 - T+	50	180	661	794	3/4" BSP fem (3/4" NPT)	200NB Tab EEz (8" Flange)	40 (60)	0.5 (19)
KS65 - T+	65	234	859	1032	3/4" BSP fem (3/4" NPT)	200NB Tab E (8" Flange)	40 (60)	0.6 (21)
KS90 - T+	90	324	1189	1429	1" BSP fem (1" NPT)	250NB Tab E (10" Flange)	40 (60)	1 (33)
KS115 - T+	115	414	1520	1825	1" BSP fem (1" NPT)	250NB Tab E (10" Flange)	40 (60)	1.2 (41)
KS140 - T+	140	504	1850	2222	1" BSP fem (1" NPT)	250NB Tab E (10" Flange)	40 (60)	1.5 (49)
KS180 - T+	180	648	2378	2858	1 1/2" BSP (1 1/2" NPT)	300NB Tab E (12" Flange)	40 (60)	1.5 (70)
KS240 - T+	240	864	3168	3840	1 1/2" BSP (1 1/2" NPT)	400NB Tab E (16" Flange)	40 (60)	2.2 (78)
KS290 - T+	290	1044	3828	4640	1 1/2" BSP (1 1/2" NPT)	450NB Tab E	40 (60)	2.2
KS370 - T+	370	1332	4884	5920	1 1/2" BSP (1 1/2" NPT)	500NB Tab Ev	40 (60)	2.8

Dimensions

Base Model	Screen Length MM (inches)	Screen Diameter MM (inches)	Overall Length MM (inches)	Net Weight KG (pounds)
KS50-T+	490 (19.3)	470 (18.5)	690 (27.2)	38 (84)
KS65-T+	610 (24)	470 (18.5)	810 (31.9)	39 (86)
KS90-T+	855 (33.7)	470 (18.5)	1045 (41.1)	48 (106)
KS115-T+	1100 (43.3)	470 (18.5)	1295 (51)	50 (110)
KS140-T+	1345 (53)	470 (18.5)	1540 (60.6)	63 (139)
KS180-T+	1345 (53)	600 (23.6)	1570 (61.8)	75 (165)
KS240-T+	1730 (68.1)	600 (23.6)	1970 (77.6)	120 (264)
KS290 - T+	1350 (53)	900 (23)	1585 (62.4)	
KS370 - T+	1735 (68.3)	900 (23)	1965 (77.4)	

*Tables above apply to KSO range (not shown here but Torq also available with KSL range)