



## TECHNICAL SPECIFICATIONS

# HUBER Q-PRESS

## Screw Press



ISO 9001: 2015  
ISO 14001: 2015  
OHSAS 18001: 2007  
AS/NZS 4801: 2001

## Technical Description

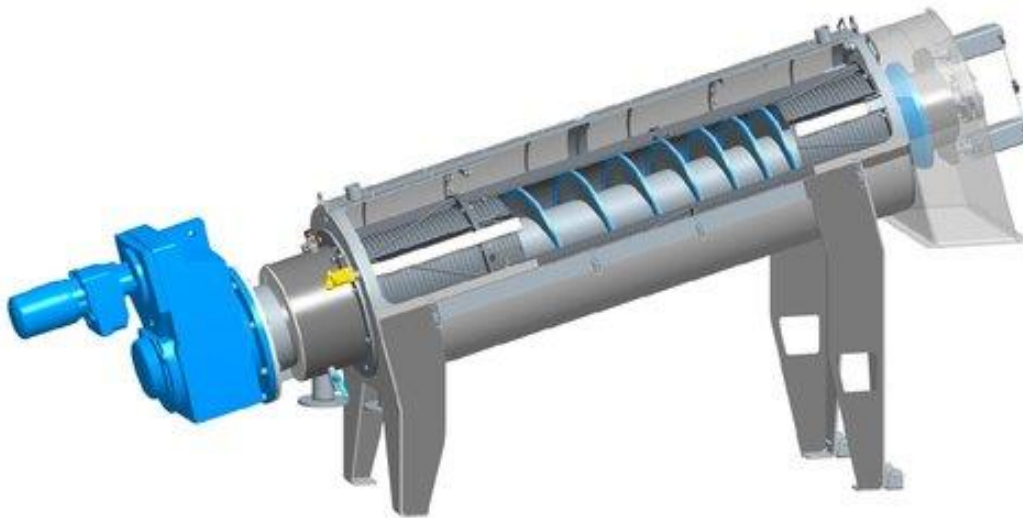
The HUBER Inclined Sludge Press (Q-Press) is a unique sludge dewatering process developed by HUBER over 20 years ago, to provide a simple, high performance system that offers attractive life cycle value.

Sludge is flocculated inline with a polyelectrolyte and enters the machine. The machine consists of a main case, internal screw, spraybar and cylindrical wedgewire/mesh drum.

As the sludge enters, filtrate is drained through the mesh and conveyed by the screw through the drum length. The drum consists of variable apertures and profiles, and together with a reducing screw pitch and increased shaft diameter, pressure is gradually applied to the sludge mass.

High pressure is applied at the outlet section via a pneumatic cone. The screw rotates at less than 1 rpm.

Cake is discharged through the cone and filtrate collects within the main case and is discharged via gravity to the filtrate outlet flange. Over 1200 machines have been installed globally in several applications.



## Materials of Construction

SECTION	SPECIFICATION
Main Frame	304/316 stainless steel
Covers	304/316 stainless steel
Internal Screw	304/316 stainless steel
Internal Baskets	304/316 stainless steel
Discharge Cone	Rubber
Main Drive	Painted Steel

## Sizing Data

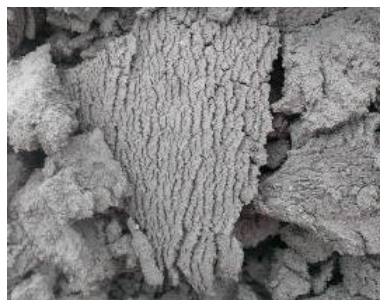
Model	Hydraulic Load (m <sup>3</sup> /h) Application Dependent	Dry Solids Load (kg/h) Application Dependent	Weight (kg) Empty/Full
Q280	1—4	20—110	68/740
Q440	2.5—9.5	43—220	1500/1700
Q620	5—21	105—440	2700/3300
Q800	7—32	150—605	3500/4400

## Utilities Requirements

Model	Instantaneous Water Demand (L/s at 5 bar)	Typical Hourly Demand (L/h)	Maximum Air Demand (NL/min at 6 bar)	Drive Size (kW) Main/Wash
Q280	1.5	120	2	0.55
Q440	2.2	170	2	1.5
Q620	2.3	300	2	2.2/0.09
Q800	2.1	400	4.5	3.0/0.09

## Performance Data

Application	Sludge Type	Cake Solids (%)	Polymer Dose (kg/t)
Municipal	WAS	17-18	9—12
Municipal	Digested WAS	20—24	8—12
Food Industry	DAF Float	20—35	6—10
Food Industry	WAS	14—16	10—12
Coal Seam Gas	Chemical	23—25	4—6



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Hydroflux Epco are the exclusive agent for HUBER Technology in Australia, New Zealand & Pacific Islands.

Hydroflux Epco is GRS Certified to the following stand-



### ISO 9001 QUALITY MANAGEMENT SYSTEM

ISO9001:2015 Certified by GRS under certificate number 4779001610007.



### ISO 14001 ENVIRONMENTAL MANAGEMENT SYSTEM

ISO 14001:2015 Certified by GRS under certificate number 47714001610007.



### OHSAS 18001 & AS/NZS 4801 SAFETY MANAGEMENT SYSTEM

OHSAS 18001:2007 Certified by GRS under certificate number 47718001610007.  
AS/NZS 4801:2001 Certified by GRS under certificate number 4774801610007.