

QTS Twin Screw Pump



Introducing Ampco's QTS Twin Screw Pump

The latest addition to the extensive and innovative positive displacement pump offering from Ampco Pumps Company. The QTS was engineered for gentle handling of viscous products and media with larger soft particulates. The QTS is manufactured with a robust design to provide durability, quiet operation and virtually pulsation-free pumping. The QTS standard offering includes added features that make this pump the best value in the industry today. Replacement parts are in stock and attractively priced.

The QTS is a dual duty pump that can be applied for both process and CIP requirements.

Benefits

- Gentle handling of soft solids
- Low shear handling of products
- Low and high viscosity 1-1,000,000cP
- Balanced rotors allow running speeds up to 3000 RPM
- Bi-directional flow
- Handles up to 60% entrained air
- Improved bearing lubrication allows for cooler running temperatures
- Fluid end and body are machined from 316L stainless steel bar stock
- Immediate spare parts availability

General Details

- 316L stainless steel fluid end components
- 304 stainless steel gearcase and adapter
- 17-4 PH stainless steel shafts
- Long-coupled and close-coupled options
- Flush ports standard for easy conversion to double seals
- Helical gears for quiet operation
- Hardening options up to 74 Rockwell C

Options

- Multiple port options are available
 - Tri-Clamp NPT
 - DIN 11851 SMS
 - Bevel Seat ANSI 150# Flange
- Customer specified transport carts are available
- Multiple screw sizes and pitch options available to handle any application
- Double mechanical seal with flush option is available (lip seal option available soon)





Easy assembly / disassembly

Enlarged suction and discharge

ports are available

Tri-Clamp port connections standard (international options available) Available with single or double mechanical seal - material options include silicon carbide, tungsten carbide, or carbon



No damage to suspended solids (able to handle a maximum particulate size of 1.5")

Multiple pitch options for optimal performance

Close clearances for vacuum capability

Stainless steel baseplate suitable for NEMA/IEC motor assembly











MODEL	QTS 100	QTS 200	QTS 300	QTS 400			
Suction / Discharge	1" / 25 mm 2" / 51 mm	2" / 51 mm, 2.5" / 64 mm, 3" / 76 mm 2" / 51 mm, 2.5" / 64 mm	3″ / 76 mm, 4″/ 102 mm 3″ / 76 mm	4" / 102 mm, 6" / 152 mm 4" / 102 mm			
Max Particle Size	0.5" / 13 mm	0.70″ / 18 mm	1″ / 25 mm	1.25″ / 32 mm			
Availability	Available	Available	Available	2016			



Rotors

- Standard and hot clearance rotors are available
- 2 pitch options available per model size







Higher flow lower pressure



Higher pressure lower flow

PRESSURE RATINGS BY MODEL

QTS	MAX PRESSURE	BAR
100	200 PSI	14 BAR
200	250 PSI	17 BAR
300	350 PSI	24 BAR
400	350 PSI	24 BAR

QTS Mechanical Seal

- Single mechanical / Double mechanical / Lip seal
- Easily converted from a single seal to a double seal, all models come double seal ready
- Seals are capable of handling a vacuum of 28" of Hg
- Seal and service kits are at the factory ready for immediate shipment
- Lower cost than the competition







MODEL	MAXIMUM PARTICLE SIZE		XIMUM FICLE SIZE A		В		С		D		E		F		G		H1		H2	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
QTS 100	0.50	12.7	17.37	441	5.45	138	4.48	114	1.83	47	2.57	65	0.71	18	3/16	4.7	1½ - 2	38.1 - 50.8	1½ - 2	38.1 - 50.8
QTS 200	0.70	17.8	23.00	584	7.59	193	5.33	135	2.12	54	3.00	76	1.00	25.4	1/4	6.3	2 - 2½	50.8 - 63.5	2 - 2½	50.8 - 63.5
QTS 300	1.00	25.4	29.21	742	9.37	238	6.98	177	3.22	82	4.32	110	1.65	42	3/8	9.5	3 - 4	76.2 - 101.6	3 - 4	76.2 - 101.6
QTS 400	Coming in 2016																			

STANDARD PUMP DIMENSIONS

Visit www.ampcopumps.com for individual pump curves and dimensional drawings.



2045 W. Mill Road Glendale, WI 53209 Phone: 800.737.8671 www.ampcopumps.com



Ampco Pumps GmbH Am Gäxwald 6 76863 Herxheim Germany Phone: +49 7276 5058515 info@ampcopumps.de

