

QTS Twin Screw Pump



Ampco Pumps

QTS Series

Q-Pumps
S.A. de C.V.



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)



Tri-Clamp port connections
standard (international
options available)

Available with single or double
mechanical seal - material options
include silicon carbide, tungsten
carbide, or carbon

Stainless steel gearcase

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

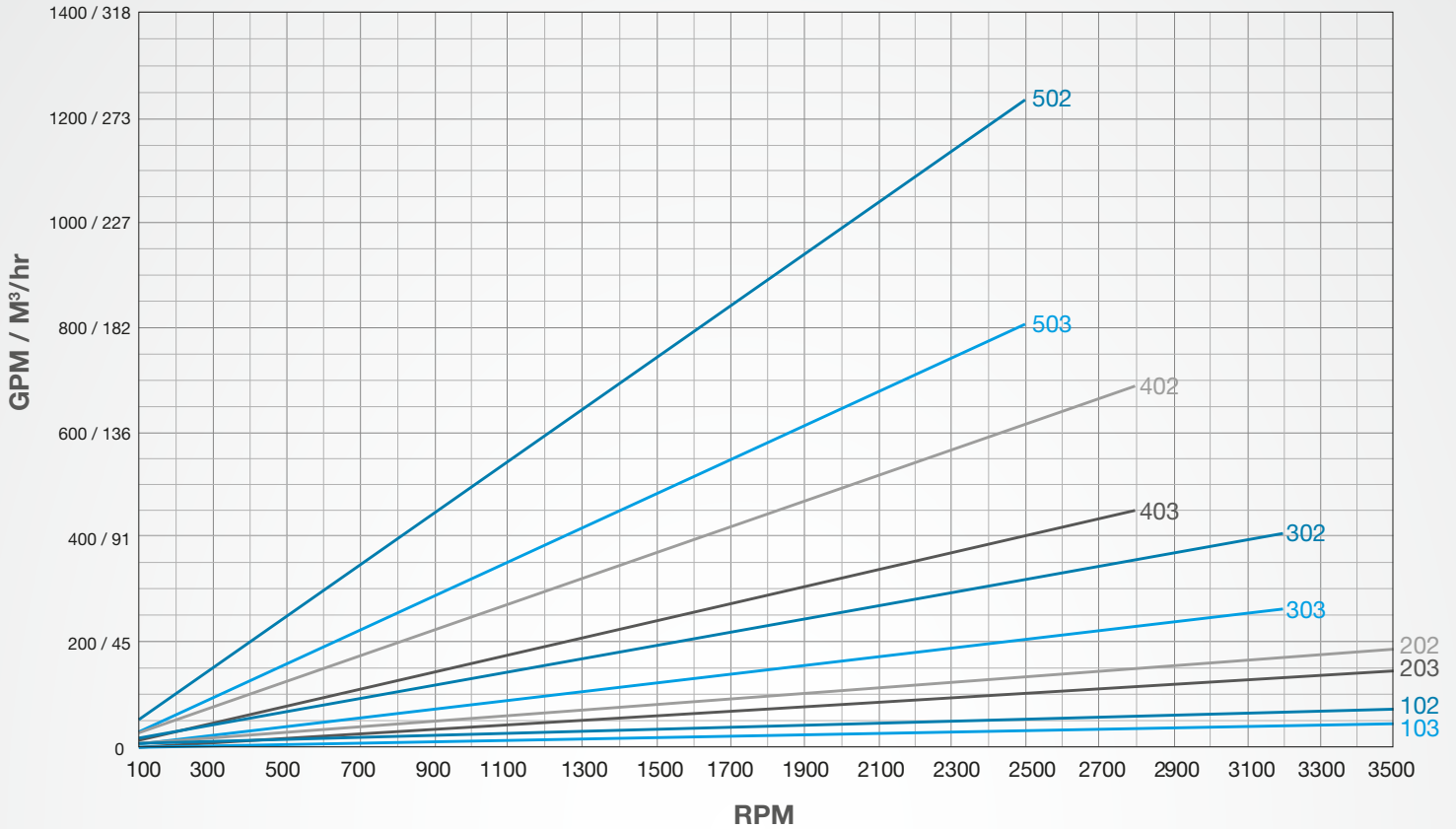
Stainless steel baseplate suitable for
NEMA/IEC motor assembly

Multiple pitch options for
optimal performance

Close clearances for
vacuum capability



QTS SERIES

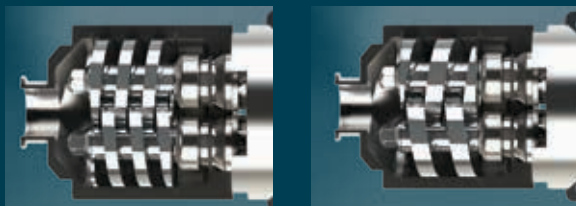


MODEL	QTS 100	QTS 200	QTS 300	QTS 400
Suction / Discharge	1" / 25 mm 2" / 51 mm	2" / 51 mm, 2.5" / 64 mm, 3" / 76 mm 2" / 51 mm, 2.5" / 64 mm	3" / 76 mm, 4" / 102 mm 3" / 76 mm	4" / 102 mm, 6" / 152 mm 4" / 102 mm
Max Particle Size	0.5" / 13 mm	0.70" / 18 mm	1" / 25 mm	1.25" / 32 mm
Availability	Available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



Rotors

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



Higher flow
lower pressure



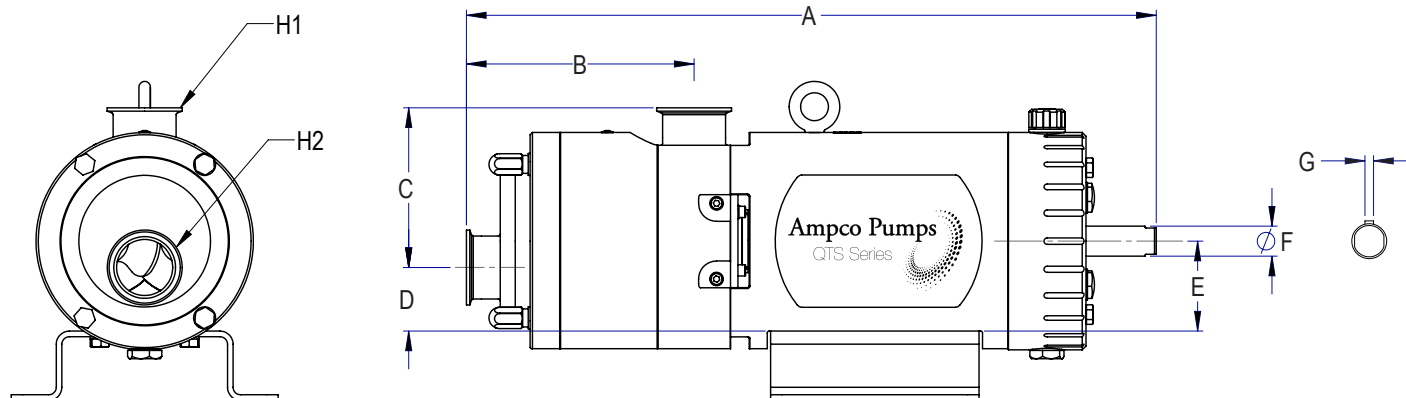
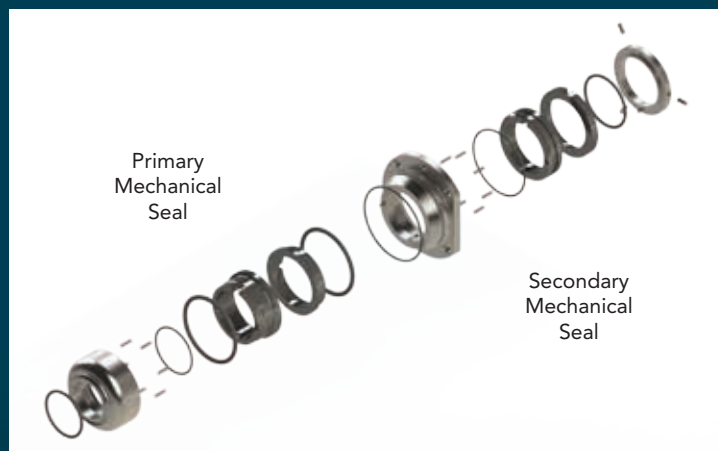
Higher pressure
lower flow

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		A		B		C		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																			

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

