

Q-Pumps

The best pumping solutions for sanitary processes



About Us...

Since 1997, Q-Pumps has been dedicated to the manufacture of sanitary pumping equipment in order to provide the best solutions for the food, beverage, cosmetic and pharmaceutical industries.

We serve applications in more than 40 countries, with the perfect combination of technology and an unmatched team of experts, with whom we are able to exceed the expectations of the requirements of our clients around the world.

Materials

All our products are built in Stainless Steel Series 300. The parts that have contact with the pumped product are T-316L and the rest T-304. In this way we guarantee the health and durability of our products

Special requests

We manufacture pumps under any customer specification. From a special type of connection in the suction and discharge to different surface finishes.

Currently we have in all our lines with connections for Clamp, Bevel Seat, NPT, Flanged, SMS, DIN, etc. pumps.

The standard finish of the pumps is a maximum of 32Ra. Additionally they can be from Sandblast to Electropolished.



Spare parts

We offer service of spare parts and interchangeable pieces, compatible with many of the most important brands in the market.



Reference data

QTS SERIES p.4

 850 GPM / 3,218 LPM
  up to 1,000,000 cP
  362 psi / 25 bar
693 ft / 211m
  120°C / 248°F

QP SERIES p.8

 312 GPM / 1,173 LPM
  up to 1,000,000 cP
  500 psi / 34.5 bar
1155 ft / 352 m
  150 °C / 302 °F

QL SERIES p.10

 441 GPM / 1,670 LPM
  up to 1,000,000 cP
  209 psi / 20 bar
670 ft / 204 m
  150 °C / 302 °F

SIS+ SERIES p.12

 1000 GPM / 3785 LPMt
  up to 600 cP
  130 psi / 9 bar
300 ft / 91 m
  120 °C / 248 °F

MIXER SERIES p.14

 420 GPM / 1590 LPM
  up to 600 cP
  76 psi / 5.25 bar
176 ft / 54 m
  120 °C / 248 °F

QC SERIES p.17

 1200 GPM / 3785 LPM
  up to 600 cP
  130 psi / 9 bar
300 ft / 91 m
  120 °C / 248 °F

LC SERIES p.18

 900 GPM / 3407 LPM
  up to 1200 cP
  186 psi / 12.8 bar
430 ft / 131 m
  120 °C / 248 °F

SP SERIES p.19

 200 GPM / 757 LPM
  up to 3,000 cP
  82 psi / 5.7 bar
190 ft / 58 m
  120 °C / 248 °F

The technical data shown here is for commercial reference. This information may change according to the application.

QTS SERIES

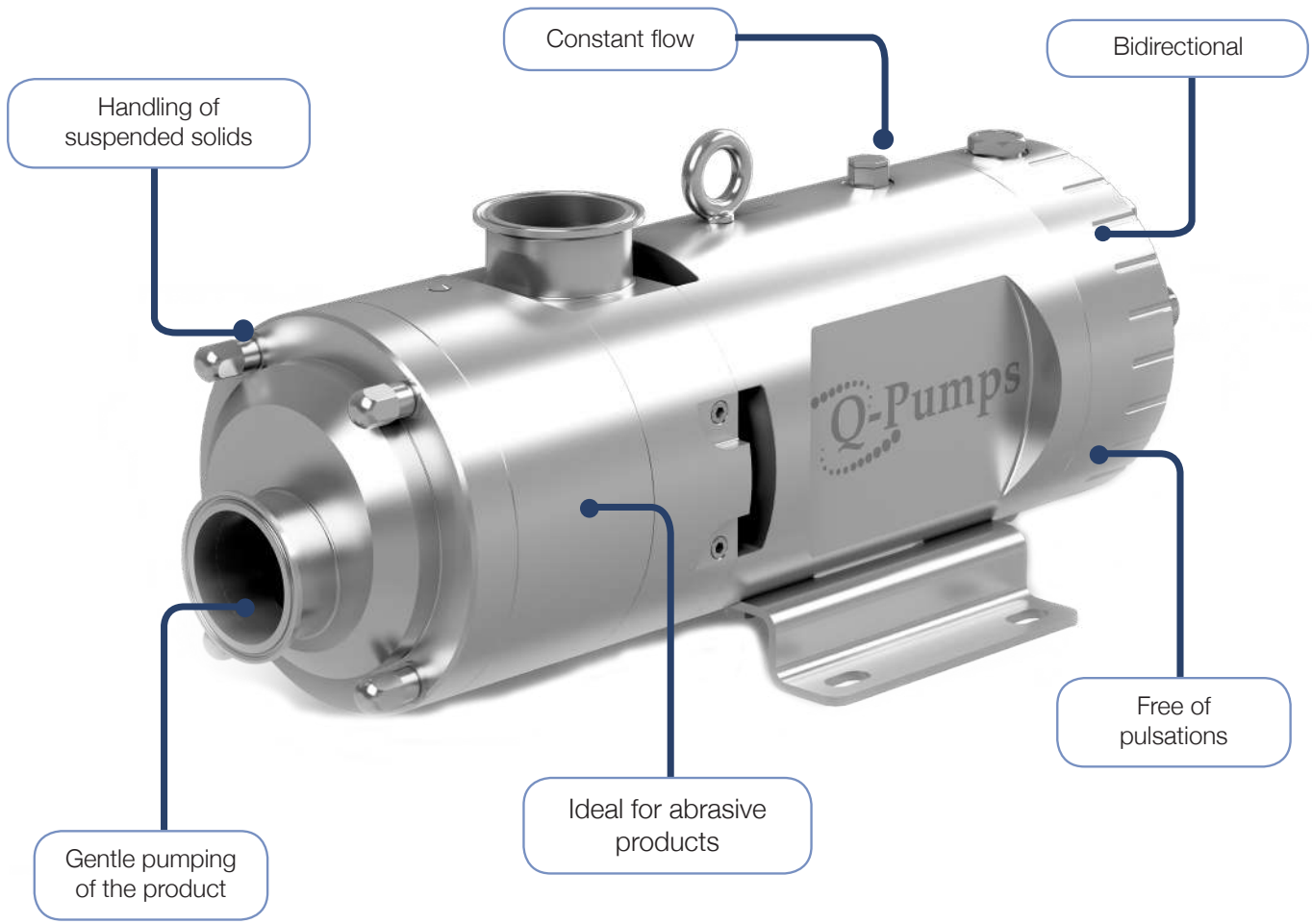
Q 850 GPM / 3,218 LPM

μ up to 1,000,000 cP

P 362 psi / 25 bar
693 ft / 211m

T 120°C / 248°F

CHARACTERISTICS



APPLICATIONS:



DIFFERENT SIZES



QTS-50

Suction & discharge:
1/2", 3/4", 1"
12.7, 19.05, 25 mm

QTS-100

Suction & discharge:
1.5", 2"
35, 50 mm

QTS-200

Suction & discharge:
2", 2.5", 3"
50, 60, 75 mm

QTS-300

Suction & discharge:
3", 4"
75, 100 mm

QTS-350

Suction:
4" y 6"
101, 152 mm

Discharge:
3" y 4"
76, 101 mm

QTS-400

Suction & discharge:
4", 6"/100, 150 mm

RECTANGULAR INLET

**NEW
PRODUCT**

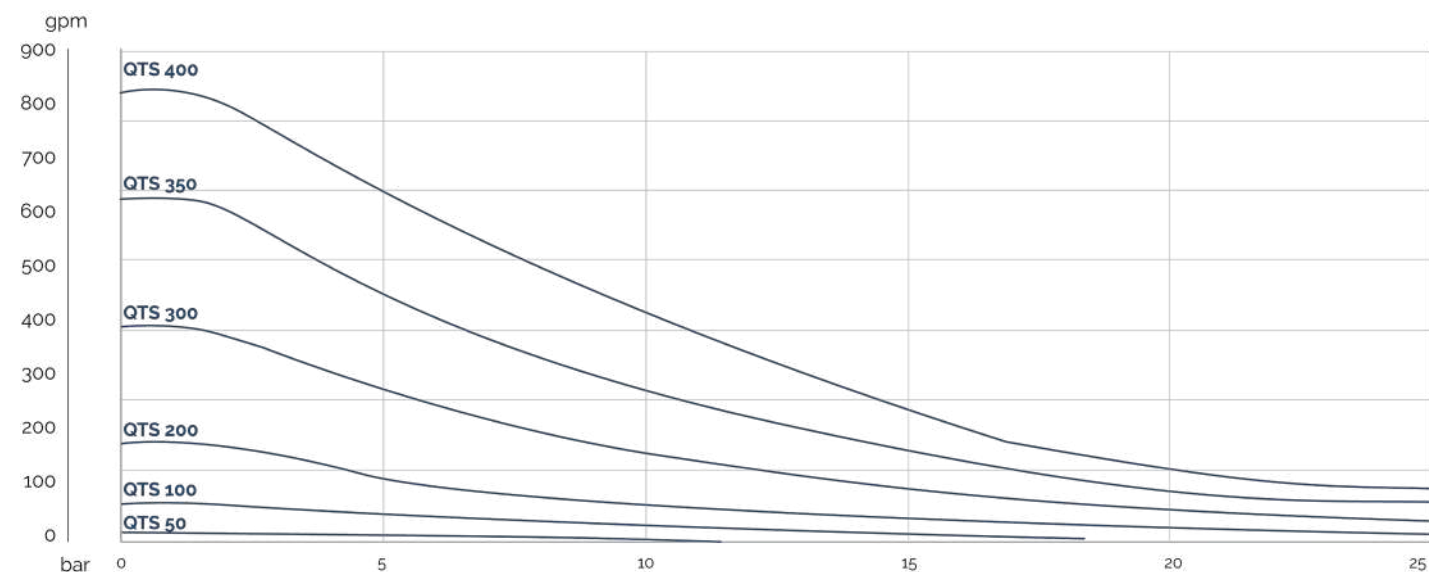


QTS-34R-HM4

- Ideal for pasty products such as meat and dough
- Management of high viscosities (100,000 to 1,000,000 cP)
- Ideal for products with high air or gas content
- Ideal for applications with low NPSHd
- Capacity for CIP

QTS SERIES

CAPACITY



*Curvas para referencia

Model	Maximum Capacities				Port sizes	Differential Pressure	Viscosity	Temperature
	gpm		lpm					
	Application	CIP	Application	CIP				
QTS 50	7.5	15	30	60	1/2", 3/4", 1"	up to 150 psi/10 bar 260 psi/18 bar 360 psi/25 bar	up to 1 000 000 cP	up to 300 °F (120 °C)
QTS 100	35	70	132	265	1.5", 2"			
QTS 200	93	185	352	700	2", 2.5", 3"			
QTS 300	223	405	844	1533	3", 4"			
QTS 350	399	642	1510	2430	3", 4", 6"			
QTS 400	570	850	2158	3218	4", 6"			

AVAILABLE SEALS



Mechanical
(Single or double)

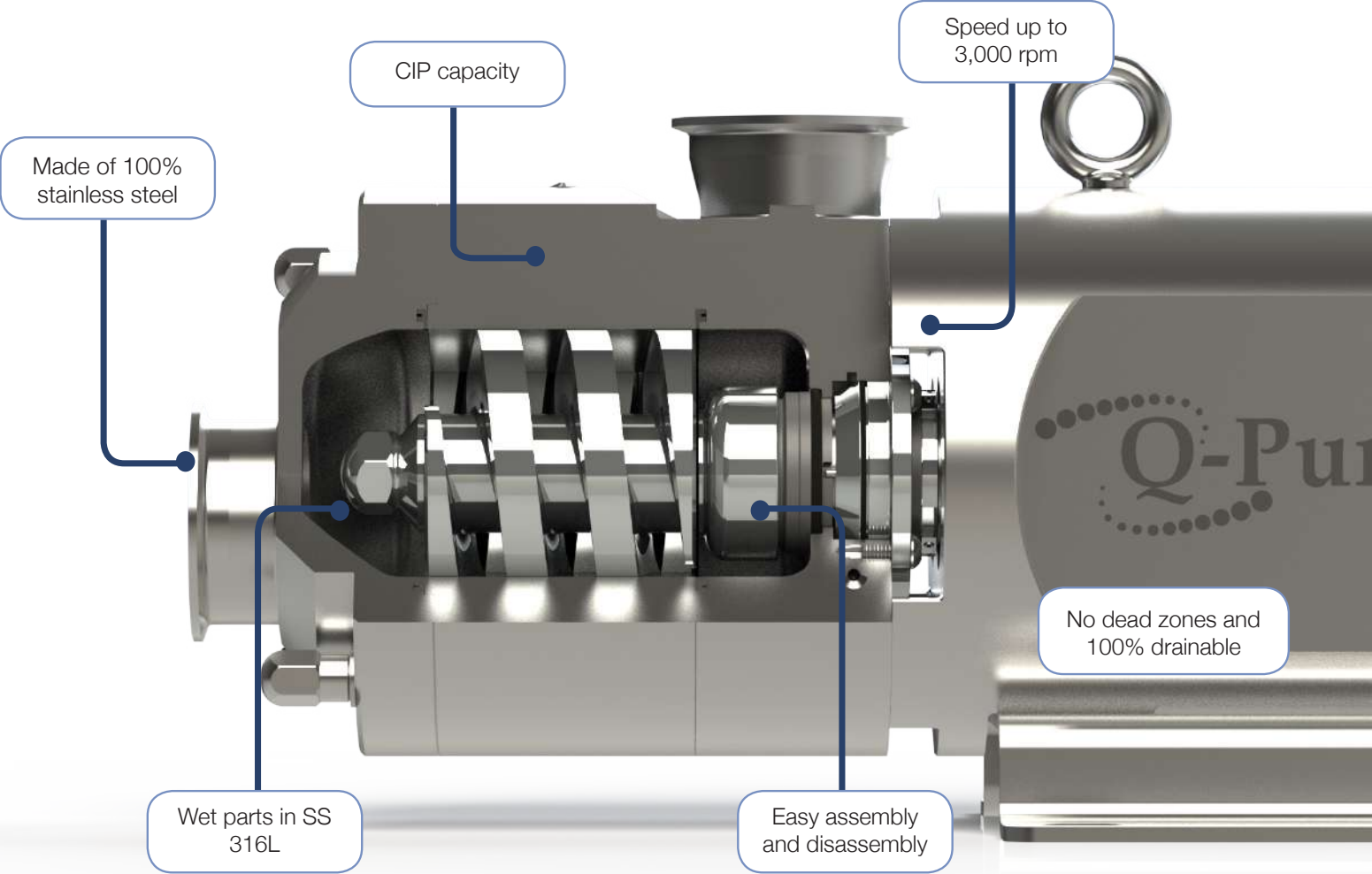


O-Ring



Lip Seal

ADVANTAGES



With different screw options for solids handling



QP SERIES



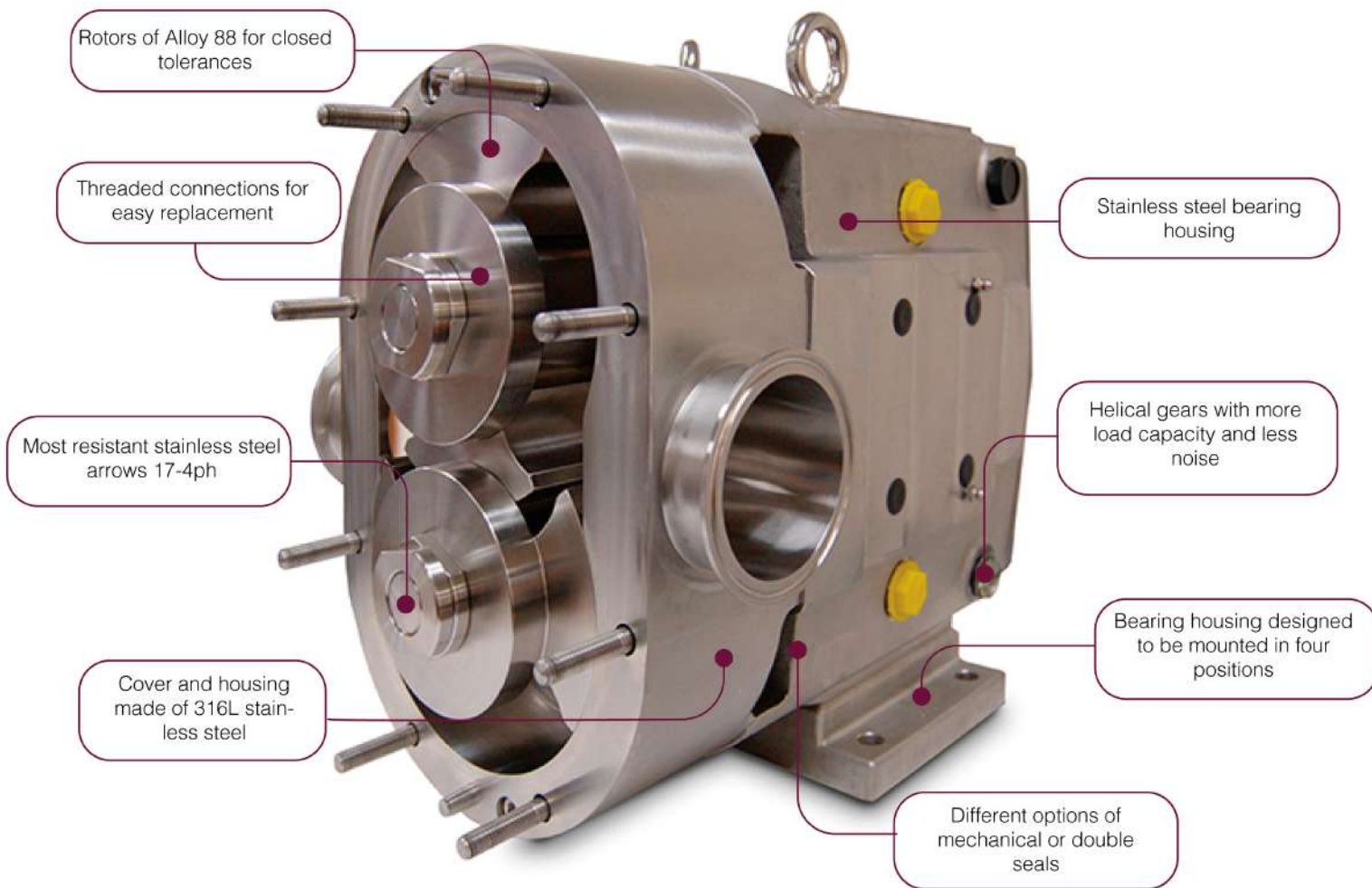
Q 312 GPM / 1,173 LPM

μ up to 1,000,000 cP

P 500 psi / 34.5 bar
115 ft / 35.2 m

T 150 °C / 302 °F

CHARACTERISTICS



APPLICATIONS



Cross Reference

Q-Pumps	Other brands
QP1	Universal 1/TRA 10
QP2	Universal 2/TRA 20
QP3	N/A

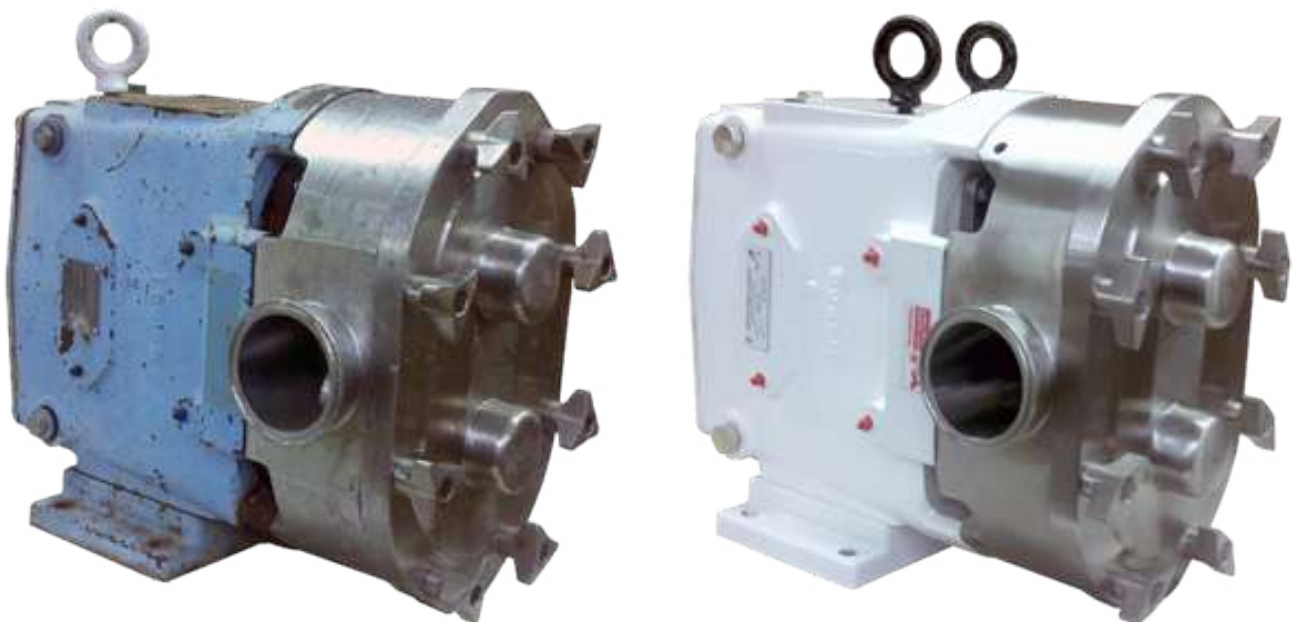
To see the compatibility and equivalences of our Q-Pumps pumps with other brands, visit our website in the Cross Reference section:

http://www.q-pumps.com/cross_reference.php

PREMIUM ECONOMY

The program is designed for customers who need immediate delivery or who require **lower costs** for a premium quality pump.

The Premium Economic pumps are completely remanufactured and ready for fast shipment. It does not require delivering a pump in exchange.



QL series



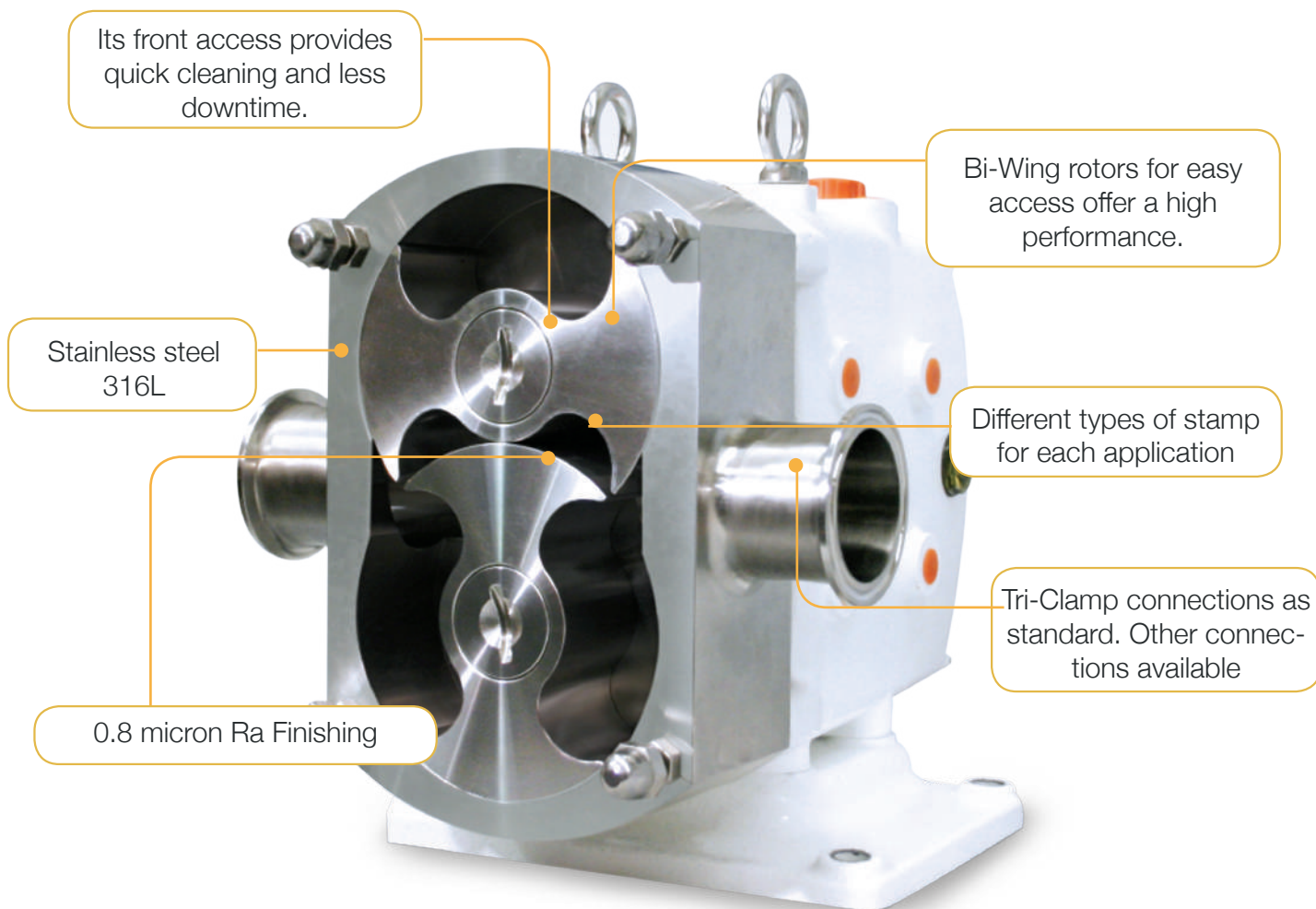
441 GPM / 1,670 LPM



hasta 1,000,000 cP

209 psi / 20 bar
670 ft / 204 m

150 °C / 302 °F



APPLICATIONS



ZL Series	Model	Displacement			Standard connection size		Maximum Differential Pressure		Maximum Speed
		Liters / per rev.	LPM	GPM	mm	in.	Bar	PSI	Rev / min
100	ZL110-005-20	0.050	50.0	13.2	25	1.0	20.7	300	1000
	ZL115-012-12	0.120	96.0	25.4	38	1.5	12.1	175	800
	ZL120-021-08	0.210	168.0	44.4	51	2.0	7.9	115	800
200	ZL220-040-12	0.410	287.0	75.8	51	2.0	12.1	175	700
	ZL225-062-08	0.620	434.0	114.7	64	2.5	7.9	115	700
300	ZL330-102-12	1.020	612.0	161.7	76	3.0	12.1	175	600
	ZL340-144-08	1.440	864.0	228.3	102	4.0	7.9	115	600
400	ZL440-227-12	2.270	1135.0	299.9	102	4.0	12.1	175	500
	ZL450-334-08	3.340	1670.0	441.2	152	6.0	7.9	115	500

ADVANTAGES

- Low cost with excellent performance
- Front access that allows quick cleaning
- Their great versatility allows them to adjust to specific applications
- Four types of rotors according to the nature of the product that you want to pump



Tri-Lobular Rotor



Bi-Wing Rotor



Cover with pressure relief valve (optional).



Jacketed cover and / or housing (optional).

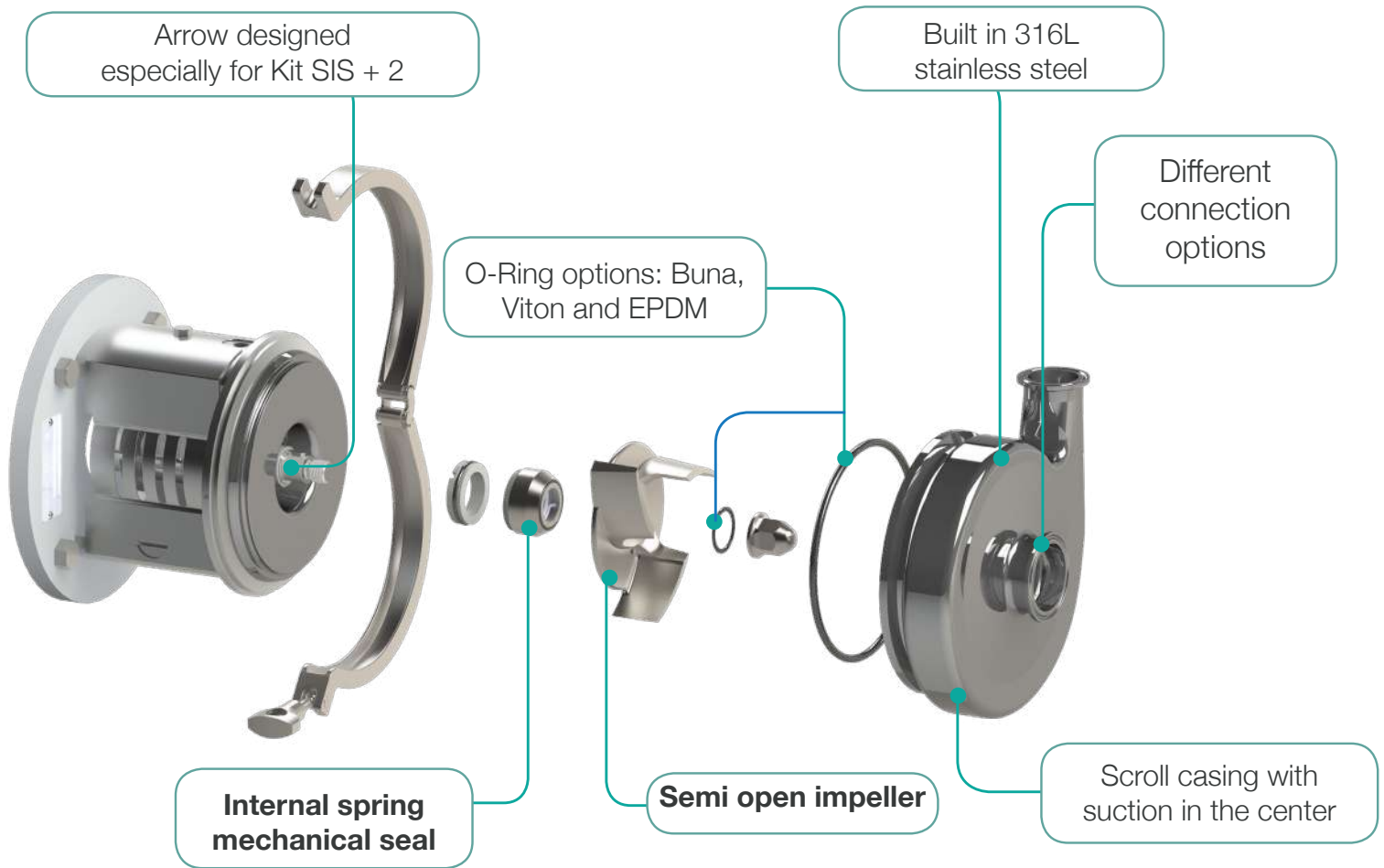
SIS+ SERIES

Q 1000 GPM / 3785 LPM

μ up to 600 cP

P 130 psi / 9 bar
300 ft / 91 m

T 120 °C / 248 °F

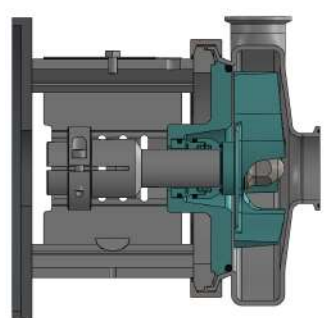


APPLICATIONS



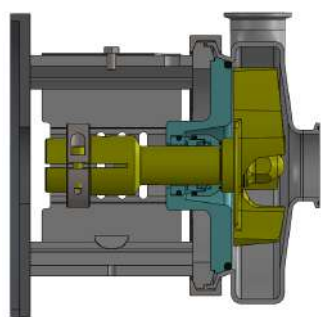
ADVANTAGES

- The internal seal reduces cavitation and gives a constant flow
- Can run at low RPM to reduce product damage
- The pressure of the pump generates greater closing force on the faces of the seals, minimizing the agglomeration of the product
- Greater resistance to water hammer
- Interchangeable with QC / C series pumps
- Any QC / C Series pump can be converted to SIS + with the following Kits:



Kit SIS+1

It is possible to convert a QC + Series pump to SIS + by simply replacing the seal and the back cover.

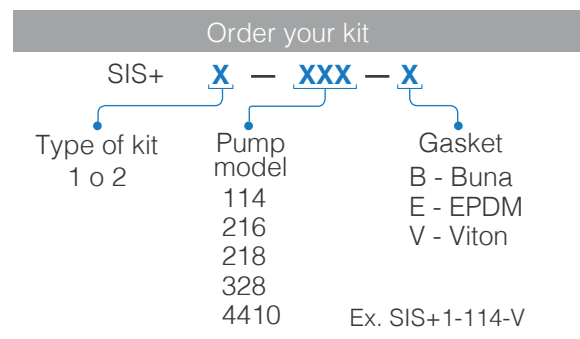


Kit SIS+2

Compatible with any QC / C series pump to transform it to SIS + replacing seal, arrow, impeller and back cover.

Model	Inlet*	Outlet*	Maximum impeller
SIS+ 114	1.5"	1.5"	4" - 102mm
SIS+ 214	2.0"	1.5"	4" - 102mm
SIS+ 216	2.0"	1.5"	6" - 152mm
SIS+ 316	2.5"	1.5"	6" - 152mm
SI+ 218	2.0"	1.5"	8" - 203mm
SIS+ 318	3.0"	1.5"	8" - 203mm
SIS+ 328	3.0"	2.0"	8" - 203mm
SIS+ 428	4.0"	2.0"	8" - 203mm
SIS+ 4410	4.0"	4.0"	10" - 254mm
SIS+ 6410	6.0"	4.0"	10" - 254mm

*Clamp, DIN, etc.



QIM+ SERIES



Q 420 GPM / 1590 LPM

μ up to 600 cP

P 76 psi / 5.25 bar
176 ft / 54 m

T 120 °C / 248 °F

THE MOST ECONOMIC AND EFFICIENT MIXER IN THE MARKET



AVAILABLE BACKPLATES



QIM+216-R3
Small slots
For disintegration of small solids.



QIM+216-BRG
Big radial bores
For mixing liquids and powders



QIM+216-R2
Big slots
For disintegration of soft solids



QIM+216-R1
Big tilted slots
For disintegration of hard solids.



QIM+216-BRP
Small radial bores
For emulsifying different types of liquids.

Sizes: QIM+114, QIM+216, QIM+328

QDB+ SERIES

Q 420 GPM / 1590 LPM

μ up to 600 cP

P 76 psi / 5.25 bar
176 ft / 54 m

T 120 °C / 248 °F



The Q-Pumps InLine Mixer QIM+ has been designed in a modular way in order to convert it into a **Dry Blender QDB+**, which consists in an **InLine Mixer QIM+** coupled to a table with cone and integrated valves for operator's convenience.

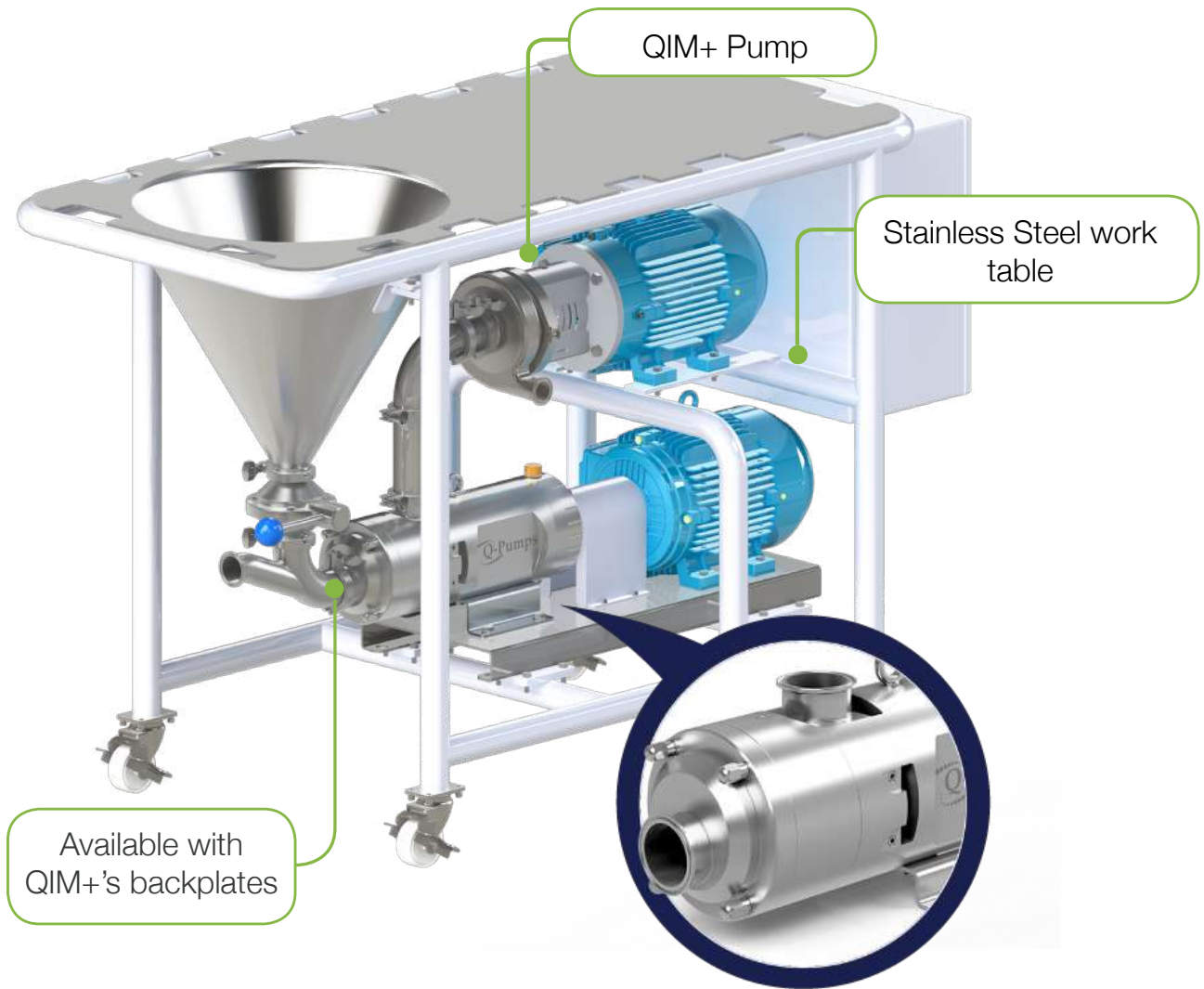
APPLICATIONS

- Homogenization
- Emulsification
- Disintegration of solids
- Powder mixture
- Adding flavors
- Dissolution



QVM+ SERIES

THE PERFECT MIXER FOR HIGH VISCOSITY PRODUCTS



APPLICATIONS



QTS PUMP

QC+ SERIES



1,200 GPM / 4,542 LPM



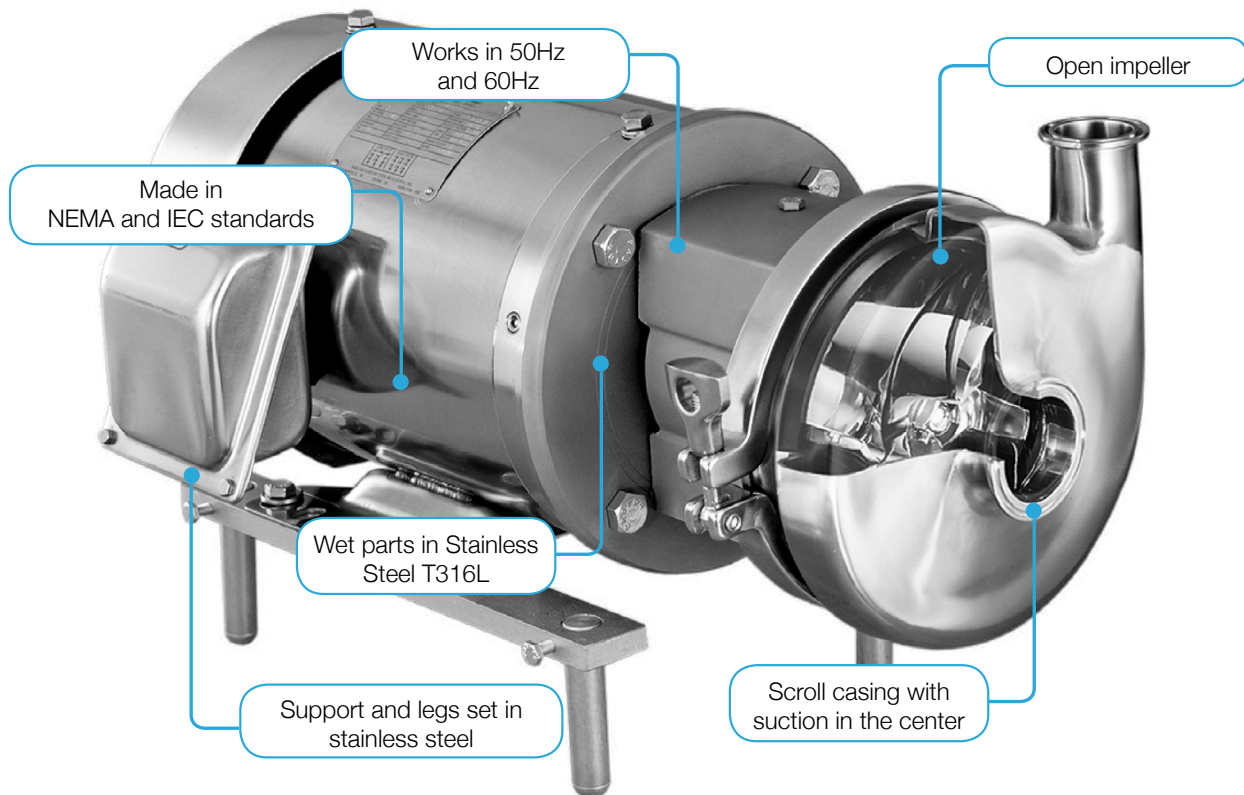
up to 600 cP



117 psi / 8 bar
270 ft / 82 m



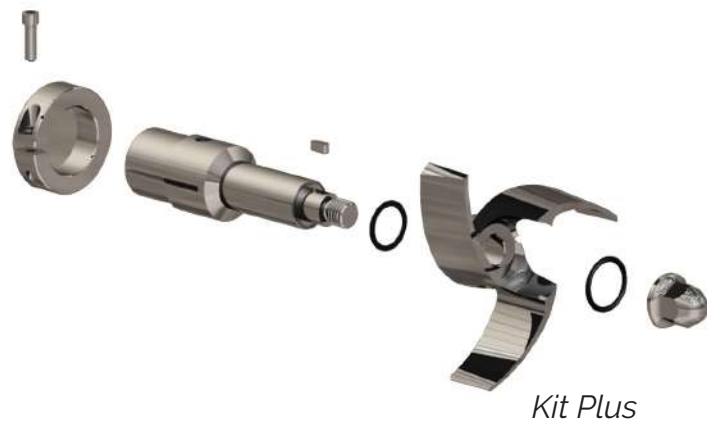
120 °C / 248 °F



QC+ SERIES

- Easy assembly
- Better support when mounting the arrowhead to the collar
- Threaded arrowhead and fastened with a wedge and nut

A pump of the QC Series can be converted to a QC + with a "Kit +"



APPLICATIONS

- Dairy products
- Juices
- Alcoholic drinks
- Purified water
- Oil
- Fertilization

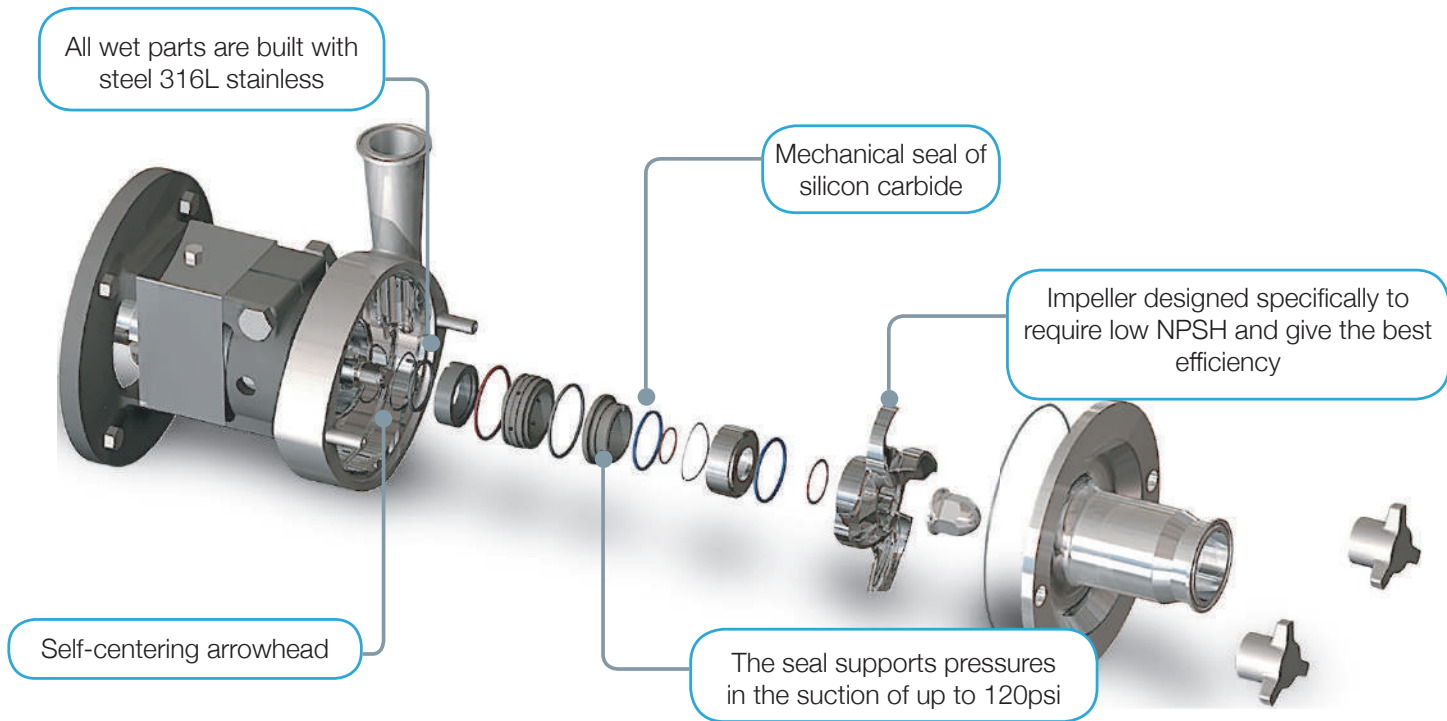
LC/LD/LF SERIES

Q 900 GPM / 3407 LPM

μ up to 1200 cP

P 186 psi / 12.8 bar
430 ft / 131 m

T 120 °C / 248 °F



Equivalences

Cross Reference	
Q-Pumps	Other brands
LC	FPX
LD	FP
LF	FPR
LME	FPE

Q-Pumps	Other Brands	Q-Pumps	Other Brands
R01/R02	701/702	V521/V522	3521/3522
R11/R12	711/712	V531/V532	3531/3532
R21/R22	721/722	V541/V542	3541/3542
R31	731	V551/V552	3551/3552
R32	732		
R41/R42	741/742	X051	1051
R132	1732	X151	1151
R141/R142	1741/1742	X161	1161

APPLICATIONS

- Juices
- Purified water
- Syrups

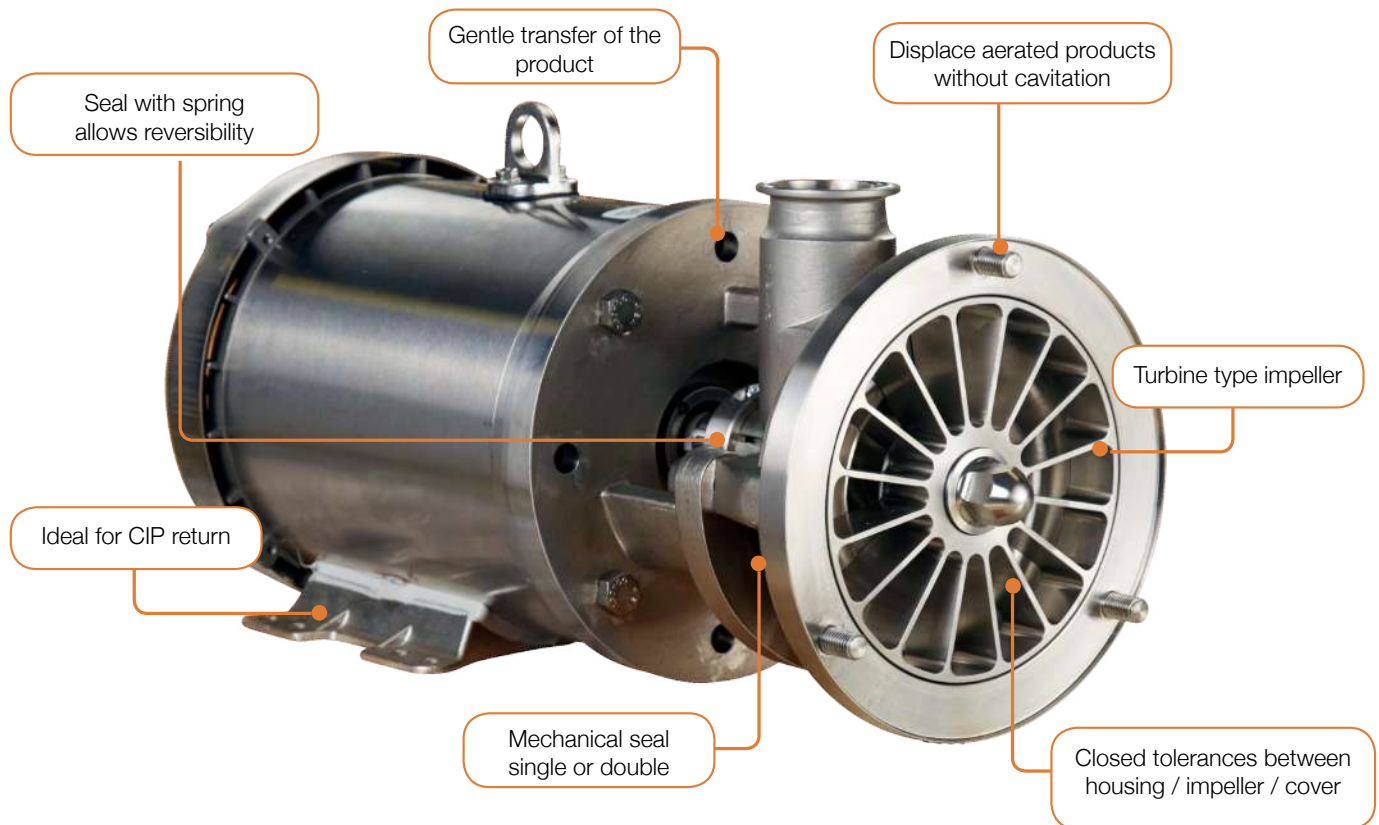
SERIES SP

Q 200 GPM / 757 LPM

μ up to 3,000 cP

P 82 psi / 5.7 bar
190 ft / 58 m

T 120 °C / 248 °F



Equivalences

Q-Pumps	Other Brands	HP	kW	Inlet / Outlet
SP 210	FZX 2100	3	2.2	2.0 x 2.0
		5	3.7	
SP 215	FZX 2150	7.5	5.5	2.0 x 2.0
		10	7.5	
SP 220	FZX 2200	10	7.5	2.0 x 2.0
		15	11	
SP 225	FZX 2250	15	11	2.5 x 2.5
		20	15	

Cross Reference

Q-Pumps	Other brands
---------	--------------

SP	FZX
----	-----

APPLICATIONS

- Dairy products
- Ice creams
- Egg white
- Yeast
- Syrups
- Yogurt

Q-Pumps

For more information visit www.qpumps.com
or call us in +52 (442) 103 31 00

Distributed by:

