

Q155 PRO SERIES LOW PRESSURE

Maximum Flow Rate: 594 l/min (157 US gpm) 5383 BPD
Maximum Pressure: 145 bar (2100 psi)

WANNER™ HYDRA-CELL® PRO
SEAL-LESS PUMP TECHNOLOGIES



UK
CA CE

Q155 Series with Stainless
Steel pump head.

A higher standard of pump performance and energy efficiency.

- Integrates **Wanner Hydra-Cell® Pro** seal-less pump technologies for the highest levels of volumetric and energy efficiencies across a full rpm range.
- Patented ADPC (Advanced Diaphragm Position Control) and hydraulic oil management systems protect diaphragms under closed or restricted inlet conditions.
- Can run dry indefinitely without damage to the pump, eliminating downtime and repair costs.
- Pumped liquid is 100% contained, eliminating environmental risks, ground contamination and volatile emissions.
- Seal-less design eliminates leaks, hazards and costs associated with seals and plunger packing.
- Exceeds API 675 standards for accuracy, linearity and repeatability.
- Wider range and higher inlet pressures to 34 barg.
- Self-priming – eliminates need for charge pumps.
- Unique diaphragm design reliably handles a wide range of viscosities and shear sensitivities, corrosive liquids, abrasives, slurries and suspended solids.
- Lower total cost of ownership in acquisition, operation, service, maintenance, and energy use.

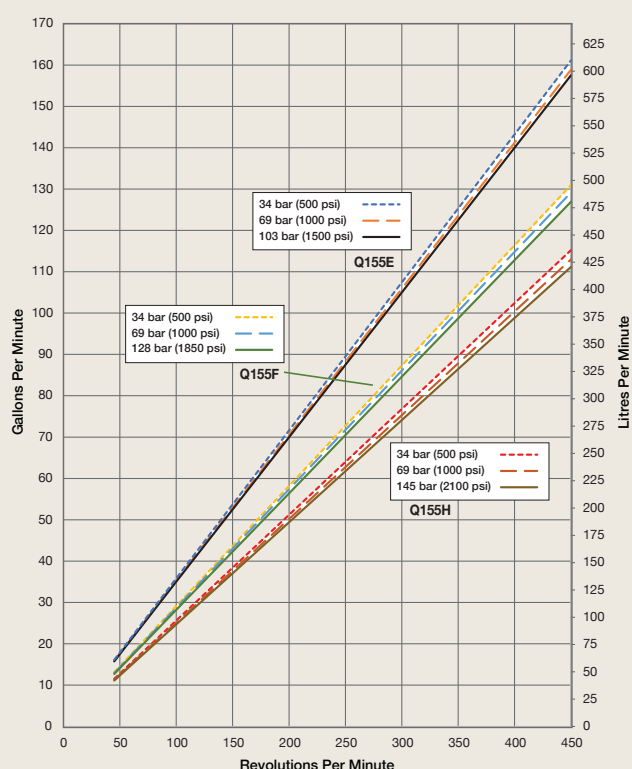
Q155 Pro Low Pressure | Performance

Capacities

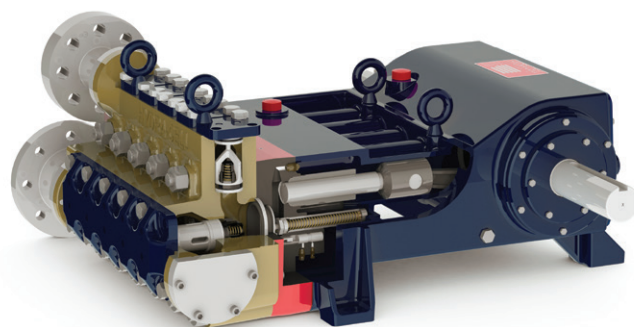
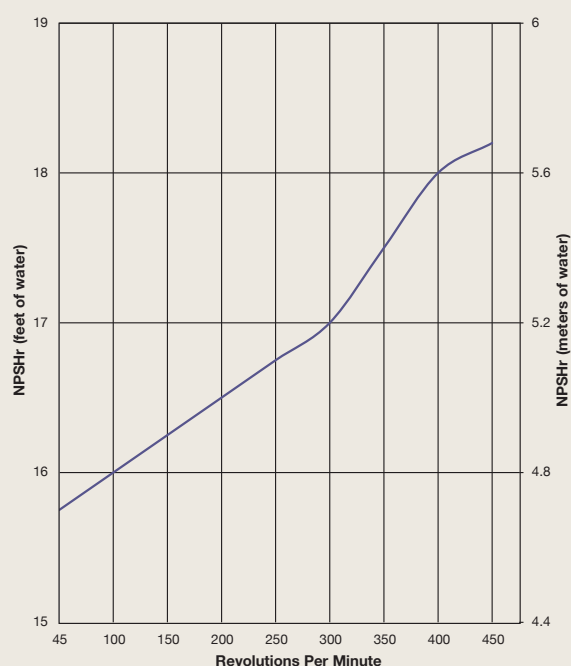
Model	Max. Input rpm	Plunger Dia. inches mm		Max. Flow Capacities US gpm l/min BPD			Max. Pressure Ratings			
							Discharge		Inlet	
							bar	psi	bar	psi
Q155E	450	2.500	64	157	594	5383	103	1500	34	500
Q155F	450	2.250	57	127	480	4354	128	1850	34	500
Q155H	450	2.125	54	111	420	3806	145	2100	34	500

Consult factory when operating below 45 rpm

Maximum Flow at Designated Pressure



Net Positive Suction Head (NPSHr)



Hydra-Cell Pro Q155 is a positive displacement, multiple-diaphragm pump featuring a seal-less design that provides full containment of the pumping chamber. This means there are no VOC emissions when operating Hydra-Cell and no packing or dynamic seals that pose environmental issues from leakage.

Note: Each pump complies with item 6.8.2 of API 674 across the full performance range.

Due to the Wanner Engineering Continuous Improvement Program, specifications and other data are subject to change.

Q155 Pro Low Pressure | Specifications

Flow Capacities

Model	Pressure bar (psi)	rpm	US gpm	l/min	BPD
Q155E	103 (1500)	450	157	594	5383
Q155F	128 (1850)	450	127	480	4354
Q155H	145 (2100)	450	111	420	3806

Delivery

	Pressure bar (psi)	gal/rev	litres/rev
Q155E	34 (500)	0.358	1.354
	69 (1000)	0.353	1.338
	103 (1500)	0.350	1.323
Q155F	34 (500)	0.291	1.102
	69 (1000)	0.287	1.085
	128 (1850)	0.282	1.068
Q155H	34 (500)	0.256	0.967
	69 (1000)	0.251	0.951
	145 (2100)	0.247	0.936

rpm

Maximum:	450
Minimum:	45

Consult factory for speeds less than 45 rpm.

Maximum Discharge Pressure

Metallic Heads:	Q155E	103 bar (1500 psi)
	Q155F	128 bar (1850 psi)
	Q155H	145 bar (2100 psi)

Maximum Inlet Pressure 34 bar (500 psi)

Operating Temperature

Maximum Liquid Temperature: 82.2°C (180°F)

Minimum: 4.4°C (40°F)

Consult factory for temperatures outside this range.

Diaphragm Material Minimum Service Temperature (Ambient & Liquid):

Aflas	30°C
EPDM	-20°C
FKM	5°C
Buna-N (HBNR)	-5°C

Consult factory for temperatures outside this range.

Maximum Solids Size 800 microns

Input Shaft Left or Right Side

Inlet Ports Weld-On: 4" / SCH. 40 4" NPT, 4" Class 300 RF ANSI Flange

Discharge Ports Weld-On: 3" / SCH. 80 3" NPT, 3" Class 900 RF ANSI Flange

Plunger Stroke Length 88.9 mm (3-1/2 inch)

Calculating Required Horsepower (kW)*

$$\frac{\text{US gpm} \times \text{psi}}{1,460} = \text{electric motor hp}^*$$

$$\frac{\text{lpm} \times \text{bar}}{511} = \text{electric motor kW}^*$$

* hp (kW) is required application power.

Attention!

When sizing motors with variable speed drives (VFD): It is very important to select a motor and a VFD rated for constant torque inverter duty service and that the motor is rated to meet the torque requirements of the pump throughout desired speed range.

Due to the Wanner Engineering Continuous Improvement Program, specifications and other data are subject to change.

Shaft Diameter 76.2 mm (3 inch)

Shaft Rotation Uni-directional (See rotation arrow.)

Oil Capacity 30.3 litres (32 US quarts)

- blank back cover

32.2 litres (34 US quarts)

- oil level back cover

See page 5 for oil selection and specification

Weight

Metallic Heads: 771 kg (1700 lbs.)

Fluid End Materials

Manifold: Nickel Aluminum Bronze (NAB)
Duplex Alloy 2205 Stainless Steel
316L Stainless Steel CF3M
Hastelloy CX2MW

Diaphragm/Elastomers:

FKM

Buna-N

Aflas

EPDM

Diaphragm Follower Screw: 316 Stainless Steel

Duplex Alloy 2205 Stainless Steel

Hastelloy C

Valve Spring Retainer:

316 SST

Hastelloy C

Check Valve Spring:

Elgiloy

Hastelloy C

Valve Disc/Seat:

Tungsten Carbide

17-4 Stainless Steel

Nitronic 50

Hastelloy C

Plug-Outlet Valve Port:

316 Stainless Steel

Duplex Alloy 2205 Stainless Steel

Hastelloy C

Inlet/Outlet Valve Retainer:

316 Stainless Steel

Duplex Alloy 2205 Stainless Steel

Hastelloy C

Power End Materials

Crankshaft: Forged Q&T Alloy Steel

Connecting Rods: Ductile Iron

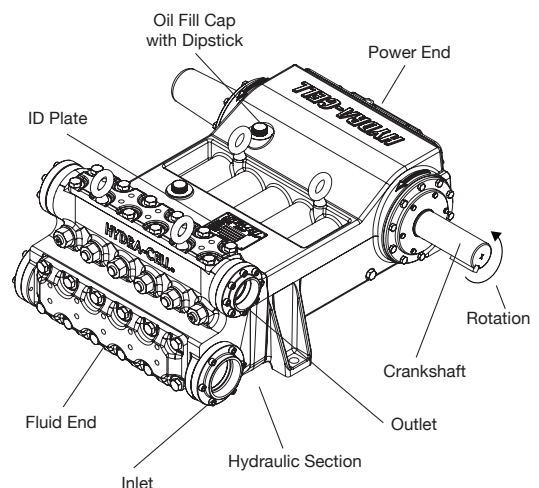
Crossheads: 12L14 Steel

Crankcase: Ductile Iron

Bearings: Spherical Roller (outer mains)

Steel Backed Babbitt (crankpin)

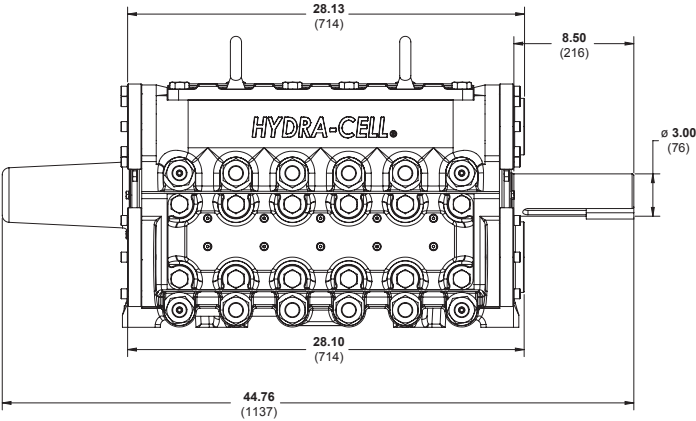
Bronze (wristpin, center mains)



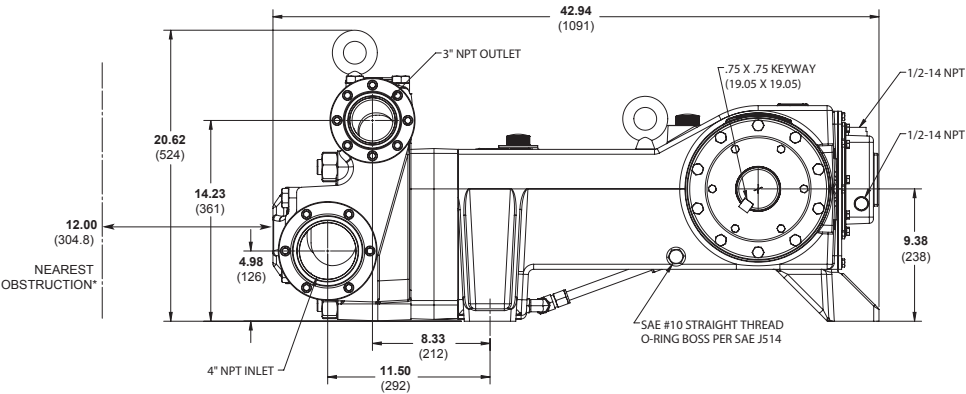
Q155 Pro Low Pressure | Representative Drawings

Threaded Version inches (mm)

Front View

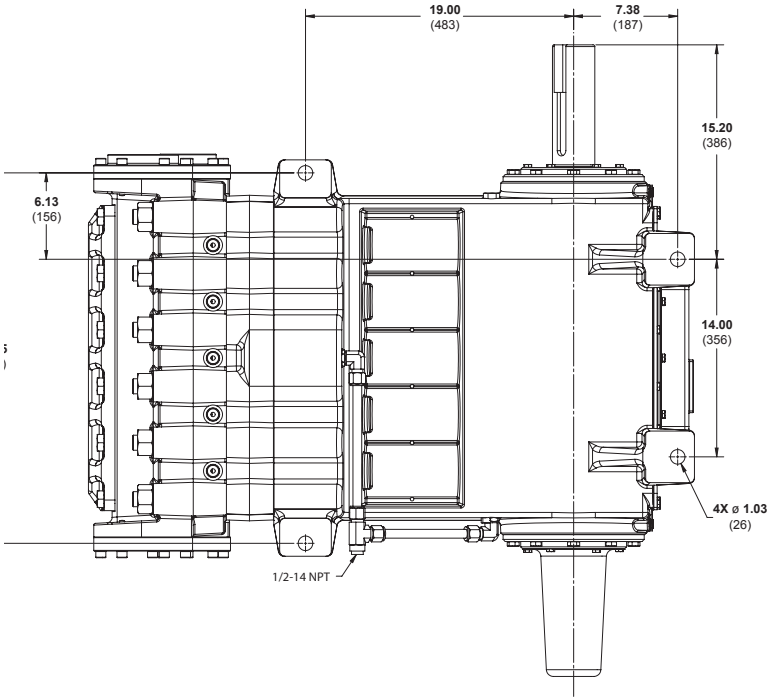


Side View



*Contact factory for obstruction distances closer than 12 inches (304.8 mm).

Bottom View



Note: Dimensions are for reference only. Contact Wanner International for certified drawings.

Q155 Pro Low Pressure | How to Order

Ordering Information

A complete Q155 Pro Series Low Pressure Model contains 14 digits including 10 customer-specified design and materials options, for example: Q155EADTHFESAC.

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Q	1	5	5										

Q155 Low Pressure

Digit	Order Code	Description
1-4	Q155	Pump Configuration Shaft-driven API 674 - Contact Wanner International
5		Performance
	E	Max. 594 l/min (157 US gpm) 5383 BPD @ 103 bar(1500 psi)
	F	Max. 480 l/min (127 US gpm) 4354 BPD @ 128 bar (1850 psi)
	H	Max. 420 l/min (111 US gpm) 3806 BPD @ 145 bar (2100 psi)
6		Pump Head Version
	A	NPT Threaded Ports (Steel)
	C	Weld Neck (Steel)
	D	Weld Neck (316L Stainless Steel)
	E	Weld Neck (Hastelloy)
	F	Weld Neck (Duplex Alloy 2205 Stainless Steel)
	G	ANSI Flanged Ports (Duplex Alloy 2205 Stainless Steel)
	R	ANSI Flanged Ports (Steel)
	S	ANSI Flanged Ports (316L Stainless Steel)
	T	ANSI Flanged Ports (Hastelloy)
7		Pump Head Material
	D	Nickel Aluminium Bronze (NAB)
	G	Duplex Alloy 2205 Stainless Steel
	S	316L Stainless Steel CF3M
	T	Hastelloy CX2M
8		Diaphragm & O-ring Material
	A	Aflas
	E	EPDM (requires EPDM-compatible oil - digit 13 code D)
	G	FKM
	T	Buna-N (HBNR)
9		Valve Seat Material
	D	Tungsten Carbide*
	H	17-4 Stainless Steel
	N	Nitronic 50
	T	Hastelloy C
10		Valve Material
	D	Tungsten Carbide*
	F	17-4 Stainless Steel
	N	Nitronic 50
	T	Hastelloy C

Digit	Order Code	Description
11		Valve Springs
	D	Elgiloy for Tungsten Carbide valves*
	E	Elgiloy
	T	Hastelloy C
12		Valve Spring Retainers
	S	316 SST
	T	Hastelloy C
13		Hydra-Oil
	A	10W30 standard-duty oil
	B	40-wt. oil
	D	EPDM-compatible oil
	H	15W50 high-temp severe-duty synthetic oil
	M	Food-contact oil
14		Oil Level Monitor Cover
	C	Float Switch, normally closed (recommended)
	O	Float Switch, normally open
	S	Float switch, Class I, Div. 1, Groups A, B, C, D, normally closed
	T	Float switch, Class I, Div. 1, Groups A, B, C, D, normally open
	W	Float switch, ATEX/IECEx, 4-20 mA analog output (qualification required***)
	X	Float switch, ATEX/IECEx, discrete output (qualification required**)

* Tungsten Carbide valve seat and disc are a matched set and must be purchased together.

** ATEX instrument only, pump as standard.

*** ATEX-compliant pump and float switch.

Note: The Oil Level Monitor Cover is an assembly that replaces the previous back cover on Q155 Series pumps. It contains a float switch assembly that can trigger an alarm or shutdown when pre-defined levels of high or low oil are reached. It may also be ordered without a float switch cover.



ATEX Certification Kit Options

As a separate line on your order, please add the required ATEX Certification Kit Option.

– ATEX 2014/34/EU Certified, Category 2, Zone 1

– ATEX 2014/34/EU Certified, Category 3, Zone 2

- All options include Certificate, Oil Level Monitor or Sight Glass, Earth Stud & Secondary ATEX Label.
- Extra oil is required to fill the oil bowl during installation of ATEX pumps. This oil is not included and must be ordered separately.

Partners in over 70 countries



WANNER™
Global Sales and Technical Support

Americas

- Minneapolis, Minnesota USA
- Wichita Falls, Texas USA
- São Paulo, Brazil
- Buenos Aires, Argentina

EMEA | Australia

- Hampshire, United Kingdom
- Cairo, Egypt
- Düsseldorf, Germany
- Lyon, France

Asia | Pacific

- Kowloon, Hong Kong
- Shanghai, China
- Jakarta, Indonesia

India

- Mumbai, India
- New Delhi
- Bangalore
- Gujarat

Wanner worldwide

GLOBAL SALES & TECHNICAL SUPPORT

WANNER ENGINEERING, INC.

WORLD HEADQUARTERS &
MANUFACTURING

Minneapolis, Minnesota USA
t: 612-332-5681
e: sales@wannereng.com
Hydra-Cell.com

REGIONAL OFFICE

Wichita Falls, Texas USA
t: 940-322-7111
e: sales@wannereng.com

LATIN AMERICAN OFFICE

São Paulo, Brazil
t: +55 (11) 99582-1969
e: mmagoni@wannereng.com
Hydra-Cell-Pumps.com.br

WANNER INTERNATIONAL, LTD.

UNITED KINGDOM

Church Crookham,
Hampshire UK GU52 8BF
t: +44 (0) 1252 816847
e: support@wannerint.com
Hydra-Cell.co.uk

WANNER PUMPS, LTD.

Kowloon, HONG KONG
t: +852 3428 6534
e: sales@wannerpumps.com
WannerPumps.com

Shanghai, CHINA
t: +86-21-6876 3700
e: sales@wannerpumps.com
WannerPumps.com

WANNER INDIA PVT. LTD.

Mumbai, INDIA
t: +91 (22) 22044766
e: support@wannerindia.com
WannerIndia.com



Q155 PRO SERIES MEDIUM PRESSURE

Maximum Flow Rate: 284 l/min (75 US gpm) 2571 BPD

Maximum Pressure: 241 bar (3500 psi)

WANNER™ HYDRA-CELL® PRO
SEAL-LESS PUMP TECHNOLOGIES



UK
CA CE

Q155 Series with Stainless
Steel pump head.

A higher standard of pump performance and energy efficiency.

- Integrates **Wanner Hydra-Cell® Pro** seal-less pump technologies for the highest levels of volumetric and energy efficiencies across a full rpm range.
- Patented ADPC (Advanced Diaphragm Position Control) and hydraulic oil management systems protect diaphragms under closed or restricted inlet conditions.
- Can run dry indefinitely without damage to the pump, eliminating downtime and repair costs.
- Pumped liquid is 100% contained, eliminating environmental risks, ground contamination and volatile emissions.
- Seal-less design eliminates leaks, hazards and costs associated with seals and plunger packing.
- Exceeds API 675 standards for accuracy, linearity and repeatability.
- Wider range and higher inlet pressures to 34 barg.
- Self-priming – eliminates need for charge pumps.
- Unique diaphragm design reliably handles a wide range of viscosities and shear sensitivities, corrosive liquids, abrasives, slurries and suspended solids.
- Lower total cost of ownership in acquisition, operation, service, maintenance, and energy use.

WANNER™

WANNER INTERNATIONAL, LTD.

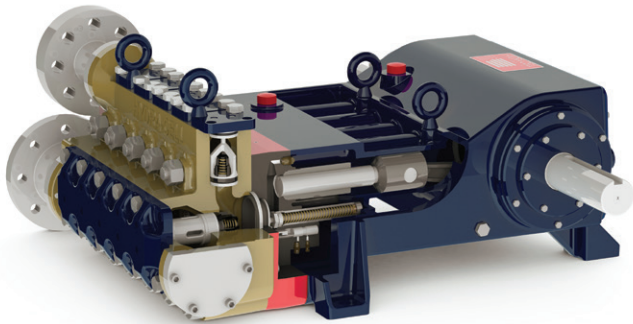
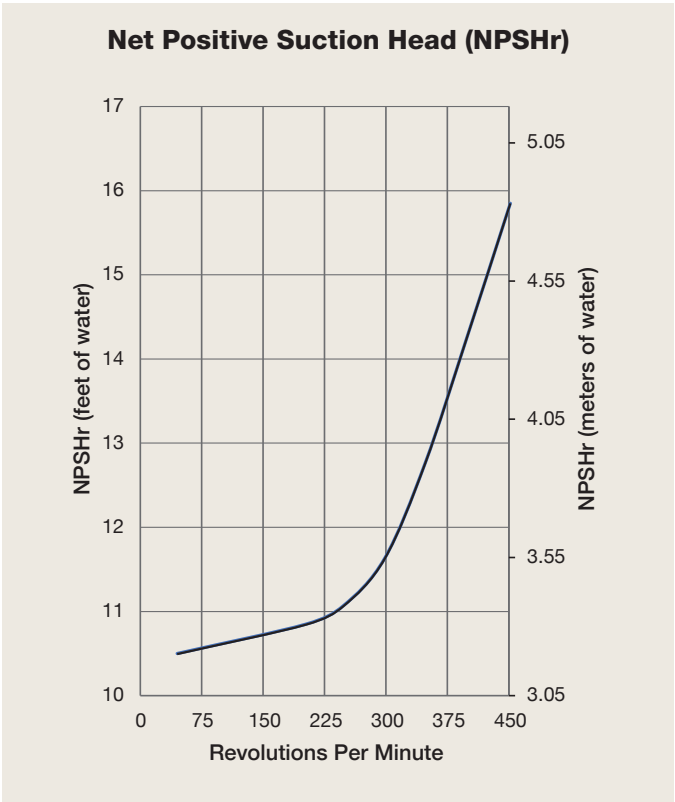
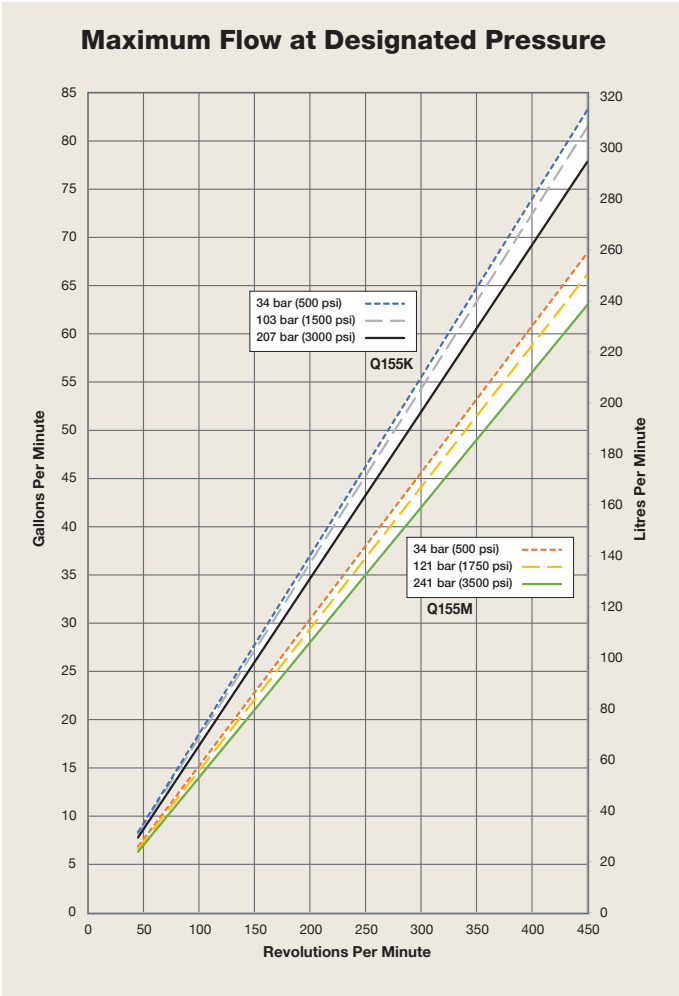
HYDRA-CELL.CO.UK

Q155 Pro Medium Pressure | Performance

Capacities

Model	Max. Input rpm	Plunger Dia.		Max. Flow Capacities			Max. Pressure Ratings			
							Discharge		Inlet	
		inches	mm	US gpm	l/min	BPD	bar	psi	bar	psi
Q155K	450	1.750	44	75	284	2571	207	3000	34	500
Q155M	450	1.625	41	63	238	2160	241	3500	34	500

Consult factory when operating below 40 rpm



Hydra-Cell Pro Q155 is a positive displacement, multiple-diaphragm pump featuring a seal-less design that provides full containment of the pumping chamber. This means there are no VOC emissions when operating Hydra-Cell and no packing or dynamic seals that pose environmental issues from leakage.

Note: Each pump complies with item 6.8.2 of API 674 across the full performance range.

Due to the Wanner Engineering Continuous Improvement Program, specifications and other data are subject to change.

Q155 Pro Medium Pressure | Specifications

Flow Capacities

Model	Pressure bar (psi)	rpm	US gpm	l/min	BPD
Q155K	207 (3000)	450	75	284	2571
Q155M	241 (3500)	450	63	238	2160

Delivery

	Pressure bar (psi)	gal/rev	litres/rev
Q155K	34 (500)	0.178	0.674
	103 (1500)	0.174	0.658
	207 (3000)	0.167	0.634
Q155M	34 (500)	0.153	0.579
	121 (1750)	0.148	0.559
	241 (3500)	0.140	0.531

rpm

Maximum:	450
Minimum:	45

Consult factory for speeds less than 45 rpm.

Maximum Discharge Pressure

Metallic Heads:	Q155K 207 bar (3000 psi)
	Q155M 241 bar (3500 psi)

Maximum Inlet Pressure 34 bar (500 psi)

Operating Temperature

Maximum Liquid Temperature:	82.2°C (180°F)
Minimum:	4.4°C (40°F)

Consult factory for temperatures outside this range.

Diaphragm Material Minimum Service Temperature (Ambient & Liquid):

Aflas	30°C
EPDM	-20°C
FKM	5°C
Buna-N (HBNR)	-5°C

Consult factory for temperatures outside of these ranges

Maximum Solids Size 800 microns

Input Shaft Left or Right Side

Inlet Ports Weld-On: 4" / SCH. 40 4" NPT, 4" Class 300 RF ANSI Flange

Discharge Ports Weld-On 2" / SCH. 160 2" NPT, 2" Class 2500 RTJ ANSI Flange

Plunger Stroke Length 88.9 mm (3-1/2 inch)

Shaft Diameter 76.2 mm (3 inch)

Shaft Rotation Uni-directional (See rotation arrow.)

Calculating Required Horsepower (kW)*

$$\frac{\text{US gpm} \times \text{psi}}{1,460} = \text{electric motor hp}^*$$

$$\frac{\text{lpm} \times \text{bar}}{511} = \text{electric motor kW}^*$$

* hp (kW) is required application power.

Attention!

When sizing motors with variable speed drives (VFD): It is very important to select a motor and a VFD rated for constant torque inverter duty service and that the motor is rated to meet the torque requirements of the pump throughout desired speed range.

Oil Capacity

33.1 litres (35 US quarts)
- blank back cover
32.2 litres (34 US quarts)
- oil level back cover

See page 5 for oil selection and specification.

Weight

Metallic Heads:	771 kg (1700 lbs.)
-----------------	--------------------

Fluid End Materials

Manifold:	Nickel Aluminum Bronze (NAB) Duplex Alloy 2205 Stainless Steel 316L Stainless Steel CF3M Hastelloy CX2MW
-----------	---

Diaphragm/Elastomers:	FKM Buna-N Aflas EPDM
-----------------------	--------------------------------

Diaphragm Follower Screw:	316 Stainless Steel Duplex Alloy 2205 Stainless Steel Hastelloy C
---------------------------	---

Valve Spring Retainer:	Polypropylene PVDF 316 SST
------------------------	----------------------------------

Check Valve Spring:	Hastelloy C Elgiloy Hastelloy C
---------------------	---------------------------------------

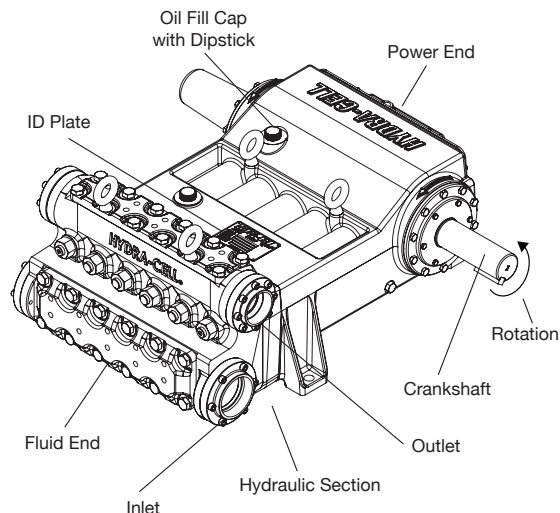
Valve Disc/Seat:	Tungsten Carbide 17-4 Stainless Steel Nitronic 50
------------------	---

Plug-Outlet Valve Port:	Hastelloy C 316 Stainless Steel Duplex Alloy 2205 Stainless Steel
-------------------------	---

Inlet/Outlet Valve Retainer:	Hastelloy C 316 Stainless Steel Duplex Alloy 2205 Stainless Steel
------------------------------	---

Power End Materials

Crankshaft:	Forged Q&T Alloy Steel
Connecting Rods:	Ductile Iron
Crossheads:	12L14 Steel
Crankcase:	Ductile Iron
Bearings:	Spherical Roller (outer mains) Steel Backed Babbitt (crankpin) Bronze (wristpin, centre mains)

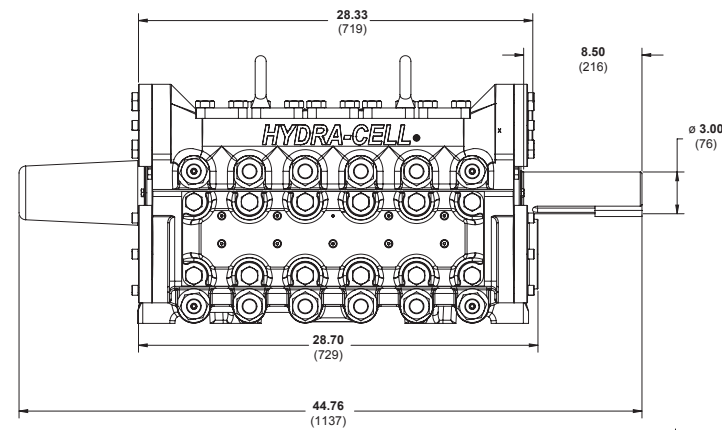


Due to the Wanner Engineering Continuous Improvement Program, specifications and other data are subject to change.

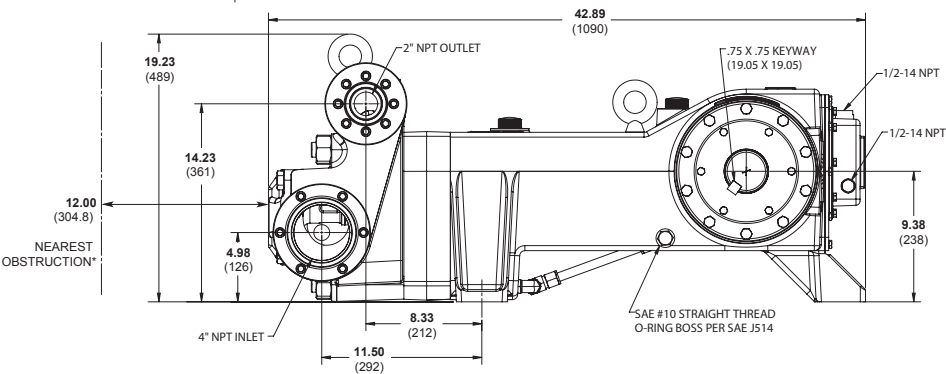
Q155 Pro Medium Pressure | Representative Drawings

Threaded Version inches (mm)

Front View

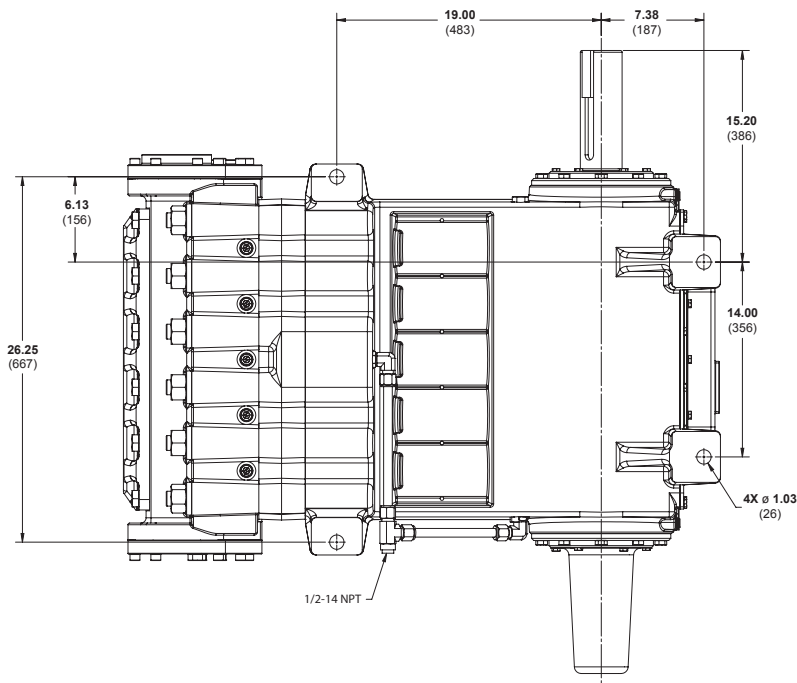


Side View



*Contact factory for obstruction distances closer than 12 inches (304.8 mm).

Bottom View



Note: Dimensions are for reference only. Contact Wanner International for certified drawings.

Q155 Pro Medium Pressure | How to Order

Ordering Information

A complete Q155 Pro Series Medium Pressure Model contains 14 digits including 10 customer-specified design and materials options, for example: Q155KADTHFEMAC.

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Q	1	5	5										

Q155 Medium Presssure

Digit	Order Code	Description
1-4	Q155	Pump Configuration Shaft-driven API 674 - Contact Wanner International
5	K	Performance Max. 284 l/min (75 US gpm) 2571 BPD @ 207 bar (3000 psi)
	M	Max. 238 l/min (63 US gpm) 2160 BPD @ 241 bar (3500 psi)
6	A	Pump Head Version NPT Ports (for NAB only)
	C	Weld Neck (Steel)
	D	Weld Neck (316L Stainless Steel)
	E	Weld Neck (Hastelloy)
	F	Weld Neck (Duplex Alloy 2205 Stainless Steel)
	G	ANSI Flanged Ports (Duplex Alloy 2205 Stainless Steel)
	R	ANSI Flanged Ports (Steel)
	S	ANSI Flanged Ports (316L Stainless Steel)
	T	ANSI Flanged Ports (Hastelloy)
7	D	Pump Head Material Nickel Aluminium Bronze (NAB)
	G	Duplex Alloy 2205 Stainless Steel
	S	316L Stainless Steel CF3M
	T	Hastelloy CX2M
8	A	Diaphragm & O-ring Material Aflas
	E	EPDM (requires EPDM-compatible oil - digit 13 code D)
	G	FKM
	T	Buna-N (HBNR)
9	D	Valve Seat Material Tungsten Carbide*
	H	17-4 Stainless Steel
	N	Nitronic 50
	T	Hastelloy C
10	D	Valve Material Tungsten Carbide*
	F	17-4 Stainless Steel
	N	Nitronic 50
	T	Hastelloy C

Digit	Order Code	Description
11	D	Valve Springs Elgiloy for Tungsten Carbide valves*
	E	E Elgiloy
	H	Hastelloy C for Tungsten Carbide valves*
	T	Hastelloy C
12	M	Valve Spring Retainers* PVDF
	P	Polypropylene
	S	316 SST
	T	Hastelloy C
13	A	Hydra-Oil 10W30 standard-duty oil
	B	40-wt. oil
	D	EPDM-compatible oil
	M	Food-contact oil
	H	15W50 high-temp severe-duty synthetic oil
14	C	Oil Level Monitor Cover Float Switch, normally closed (recommended)
	O	Float Switch, normally open
	S	Float switch, Class I, Div. 1, Groups A, B, C, D, normally closed
	T	Float switch, Class I, Div. 1, Groups A, B, C, D, normally open
	W	Float switch, ATEX/IECEx, 4-20 mA analog output (qualification required***)
	X	Float switch, ATEX/IECEx, discrete output (qualification required**)

* Tungsten Carbide valve seat and disc are a matched set and must be purchased together - and only available with non-metallic retainers.

** ATEX instrument only, pump as standard.

*** ATEX-compliant pump and float switch.

Note: The Oil Level Monitor Cover is an assembly that replaces the previous back cover on Q155 Series pumps. It contains a float switch assembly that can trigger an alarm or shutdown when pre-defined levels of high or low oil are reached. It may also be ordered without a float switch cover.



ATEX Certification Kit Options

As a separate line on your order, please add the required ATEX Certification Kit Option.

– ATEX 2014/34/EU Certified, Category 2, Zone 1

– ATEX 2014/34/EU Certified, Category 3, Zone 2

- All options include Certificate, Oil Level Monitor or Sight Glass, Earth Stud & Secondary ATEX Label.
- Extra oil is required to fill the oil bowl during installation of ATEX pumps. This oil is not included and must be ordered separately.

Partners in over 70 countries



WANNER™
Global Sales and Technical Support

Americas

- Minneapolis, Minnesota USA
- Wichita Falls, Texas USA
- São Paulo, Brazil
- Buenos Aires, Argentina

EMEA | Australia

- Hampshire, United Kingdom
- Cairo, Egypt
- Düsseldorf, Germany
- Lyon, France

Asia | Pacific

- Kowloon, Hong Kong
- Shanghai, China
- Jakarta, Indonesia

India

- Mumbai, India
- New Delhi
- Bangalore
- Gujarat

Wanner worldwide

GLOBAL SALES & TECHNICAL SUPPORT

WANNER ENGINEERING, INC.

WORLD HEADQUARTERS &
MANUFACTURING

Minneapolis, Minnesota USA
t: 612-332-5681
e: sales@wannereng.com
Hydra-Cell.com

REGIONAL OFFICE

Wichita Falls, Texas USA
t: 940-322-7111
e: sales@wannereng.com

LATIN AMERICAN OFFICE

São Paulo, Brazil
t: +55 (11) 99582-1969
e: mmagoni@wannereng.com
Hydra-Cell-Pumps.com.br

WANNER INTERNATIONAL, LTD.

UNITED KINGDOM

Church Crookham,
Hampshire UK GU52 8BF
t: +44 (0) 1252 816847
e: support@wannerint.com
Hydra-Cell.co.uk

WANNER PUMPS, LTD.

Kowloon, HONG KONG

t: +852 3428 6534
e: sales@wannerpumps.com
WannerPumps.com

Shanghai, CHINA

t: +86-21-6876 3700
e: sales@wannerpumps.com
WannerPumps.com

WANNER INDIA PVT. LTD.

Mumbai, INDIA

t: +91 (22) 22044766
e: support@wannerindia.com
WannerIndia.com



Q330 PRO SERIES LOW PRESSURE

Maximum Flow Rate: 1249 l/min (330 US gpm) 11312 BPD
Maximum Pressure: 138 bar (2000 psi)

WANNER™ HYDRA-CELL® PRO
SEAL-LESS PUMP TECHNOLOGIES



AVAILABLE
TO MEET

API
674

UK
CA CE

Q330 Series with Nickel
Aluminum Bronze pump head.

A higher standard of pump performance and energy efficiency.

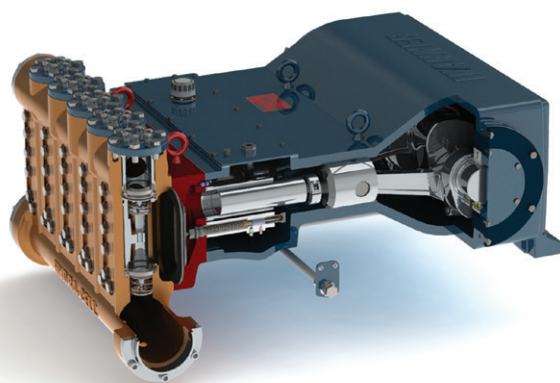
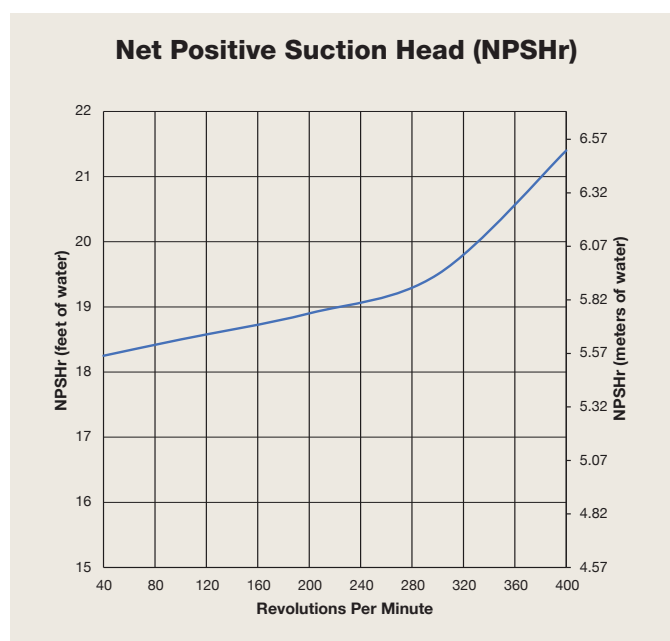
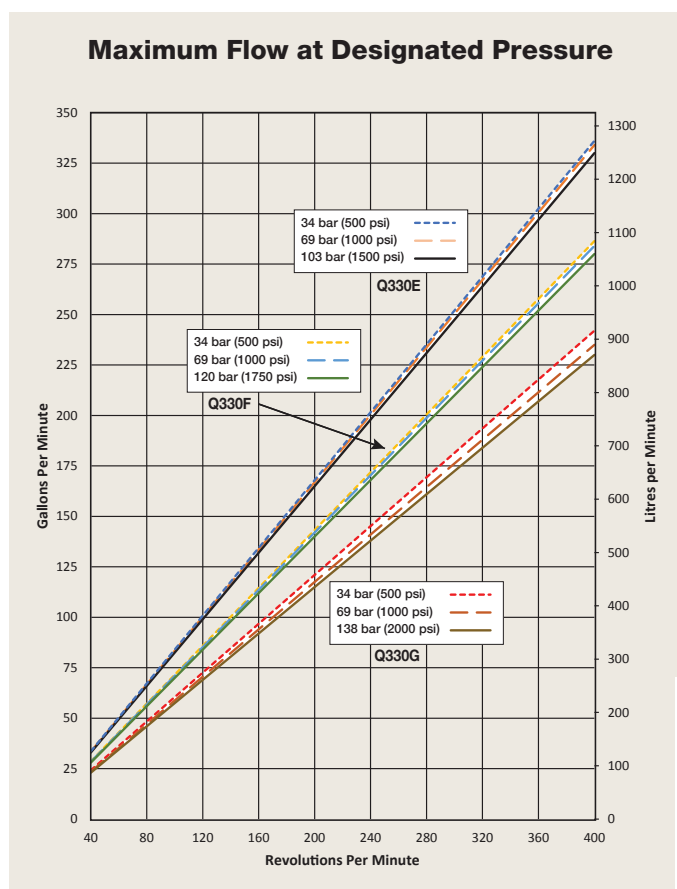
- Integrates **Wanner Hydra-Cell® Pro** seal-less pump technologies for the highest levels of volumetric and energy efficiencies across a full rpm range.
- Patented ADPC (Advanced Diaphragm Position Control) and hydraulic oil management systems protect diaphragms under closed or restricted inlet conditions.
- Can run dry indefinitely without damage to the pump, eliminating downtime and repair costs.
- Pumped liquid is 100% contained, eliminating environmental risks, ground contamination and volatile emissions.
- Seal-less design eliminates leaks, hazards and costs associated with seals and plunger packing.
- Exceeds API 675 standards for accuracy, linearity and repeatability.
- Wider range and higher inlet pressures to 34 barg.
- Self-priming – eliminates need for charge pumps.
- Unique diaphragm design reliably handles a wide range of viscosities and shear sensitivities, corrosive liquids, abrasives, slurries and suspended solids.
- Lower total cost of ownership in acquisition, operation, service, maintenance, and energy use.

Q330 Pro Low Pressure | Performance

Capacities

Model	Max. Input rpm	Plunger Dia. mm inches		Max. Flow Capacities US gpm l/min BPD			Max. Pressure Ratings			
							Discharge		Inlet	
							bar	psi	bar	psi
Q330E	400	82	3.250	330	1249	11312	103	1500	34	500
Q330F	400	76	3.000	280	1060	9598	120	1750	34	500
Q330G	400	70	2.750	230	871	7884	138	2000	34	500

Consult factory when operating below 40 rpm



Q330 Series pumps feature the Hydra-Cell seal-less design, eliminating clean-up costs from leaking seals or packing and protecting operators from dangerous fluids such as those containing hydrogen sulfide.

Note: Each pump complies with item 6.8.2 of API 674 across the full performance range.

Due to the Wanner Engineering Continuous Improvement Program, specifications and other data are subject to change.

Q330 Pro Low Pressure | Specifications

Flow Capacities

Model	Pressure bar (psi)	rpm	US gpm	l/min	BPD
Q330E	103 (1500)	400	330	1249	11312
Q330F	120 (1750)	400	280	1060	9598
Q330G	138 (2000)	400	230	871	7884

Delivery

	Pressure bar (psi)	gal/rev	litres/rev
Q330E	34 (500)	0.8400	3.180
	69 (1000)	0.8350	3.161
	103 (1500)	0.8250	3.123
Q330F	34 (500)	0.7160	2.710
	69 (1000)	0.7100	2.688
	120 (1750)	0.7000	2.650
Q330G	34 (500)	0.6025	2.281
	69 (1000)	0.5875	2.224
	138 (2000)	0.5750	2.177

rpm

Maximum:	400
Minimum:	40

Consult factory for speeds less than 40 rpm.

Maximum Discharge Pressure

Metallic Heads:	Q330E	103 bar (1500 psi)
	Q330F	120 bar (1750 psi)
	Q330G	138 bar (2000 psi)

Maximum Inlet Pressure

34 bar (500 psi)

Operating Temperature

Maximum:	82.2°C (180°F)
Minimum:	4.4°C (40°F)

Consult factory for temperatures outside this range.

Maximum Solids Size

800 microns

Input Shaft

Right Side (Option for left side)

Inlet Ports

Weld-On: 6 inch / SCH. 40
6 inch NPT, 6 inch Class 300 RF ANSI

Discharge Ports

Weld-On: 4 inch / SCH 160
4 inch NPT, 4 inch Class 900 RF ANSI

Plunger Stroke Length

127 mm (5 inch)

Shaft Diameter

101.6 mm (4 inch)

Shaft Rotation

Uni-directional (See rotation arrow.)

Oil Capacity

113.5 litres (120 US quarts)

Weight

Metallic Heads: 2495 kg (5500 lbs.)

Fluid End Materials

Manifold:	Nickel Aluminum Bronze (NAB)
Diaphragm/Elastomers:	FKM
	Buna-N
	Aflas
Diaphragm Follower Screw:	316 Stainless Steel
Valve Guide:	PVDF
Valve Spring Retainer:	Nitronic 50
	Hastelloy C
Check Valve Spring:	Elgiloy
	Hastelloy C
Valve Disc/Seat:	17-4 Stainless Steel
	Nitronic 50
	Hastelloy C
Outlet Valve Retainer:	Austenitic Stainless Steel
Plug-Outlet Valve Port:	316 Stainless Steel
Inlet Valve Retainer:	Austenitic Stainless Steel

Power End Materials

Crankshaft:	Carbon Steel or Ductile Iron
Connecting Rods:	Ductile Iron
Crossheads:	Ductile Iron
Crankcase:	Ductile Iron
Bearings, Main:	Spherical Roller
Bearings, Shaft Journal:	Steel-Backed Babbitt
Bearings, Centre Mains:	Bronze
Wrist Pins:	Alloy Steel

Calculating Required Horsepower (kW)*

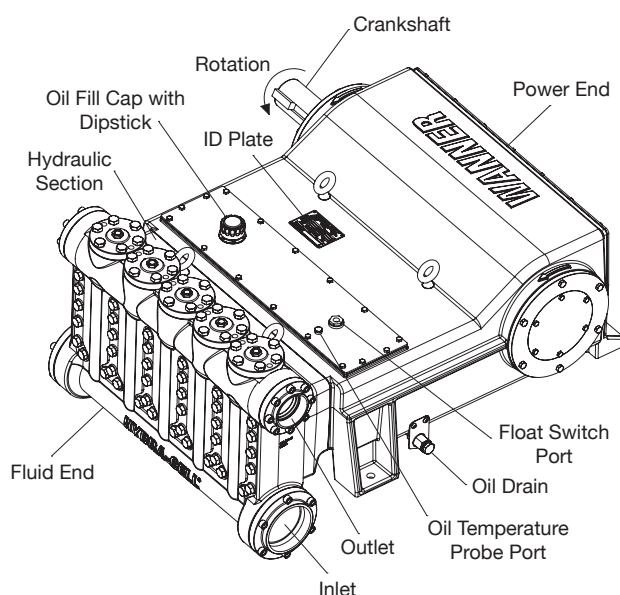
$$\frac{\text{US gpm} \times \text{psi}}{1,460} = \text{electric motor hp}^*$$

$$\frac{\text{lpm} \times \text{bar}}{511} = \text{electric motor kW}^*$$

* hp (kW) is required application power.

Attention!

When sizing motors with variable speed drives (VFD): It is very important to select a motor and a VFD rated for constant torque inverter duty service and that the motor is rated to meet the torque requirements of the pump throughout desired speed range.

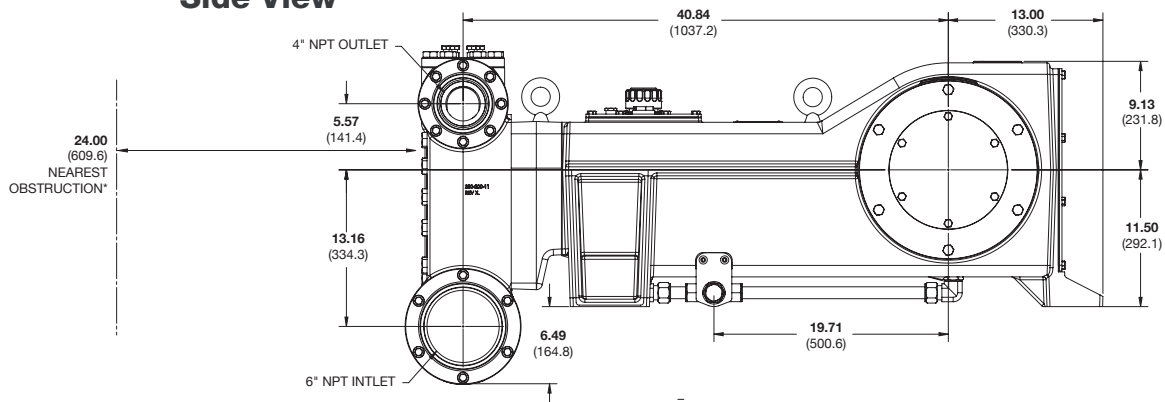


Due to the Wanner Engineering Continuous Improvement Program, specifications and other data are subject to change.

Q330 Pro Low Pressure | Representative Drawings

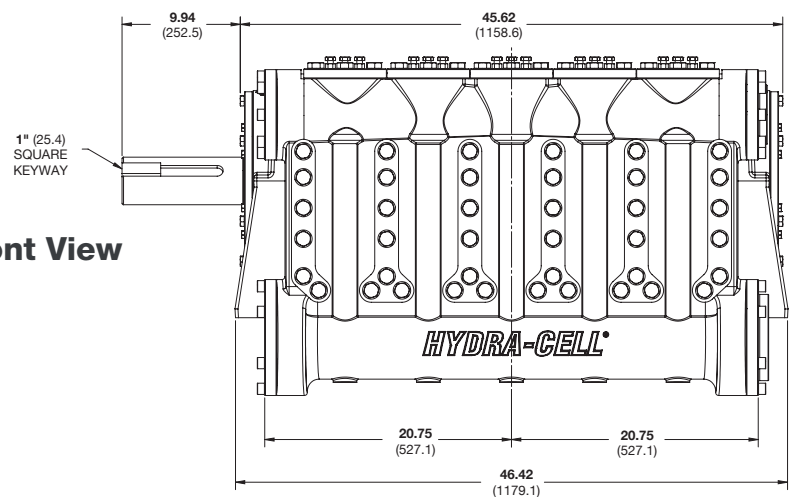
Threaded Version inches (mm)

Side View

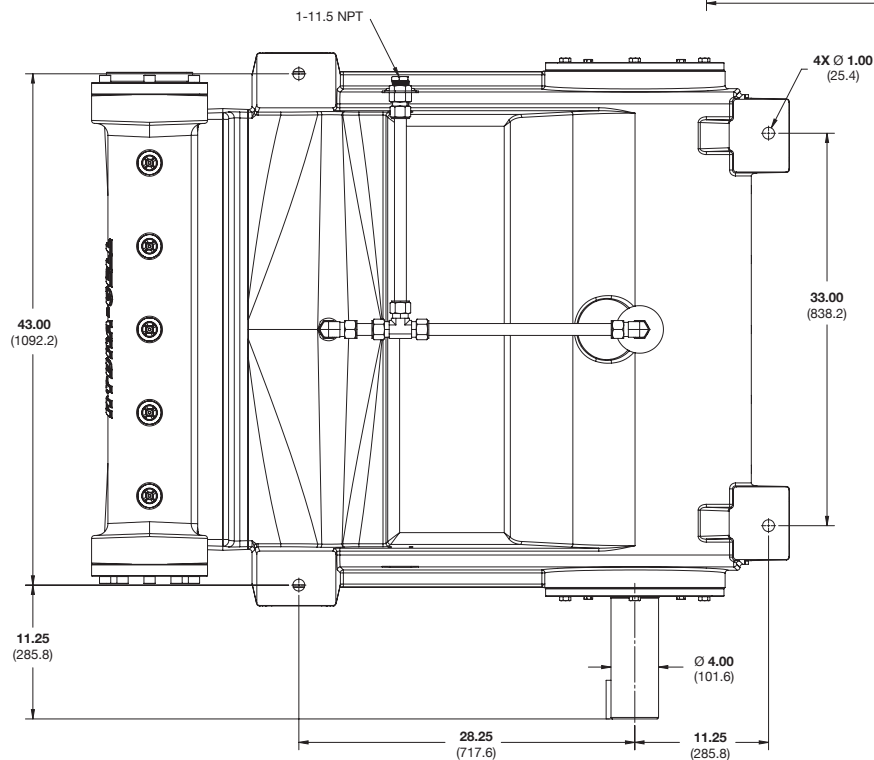


*Contact factory for obstruction distances closer than 12 inches (304.8 mm).

Front View



Bottom View



Note: Dimensions are for reference only. Contact Wanner International for certified drawings.

Q330 Pro Low Pressure | How to Order

Ordering Information

A complete Q330 Series Low Pressure Model Number contains 14 digits including 9 customer-specified design and material options, for example, Q330ERDGHFETAC.

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Q	3	3	0			D							

Q330 Low Pressure

Digit	Order Code	Description
1-4	Q330	Pump Configuration Shaft-driven
5		Performance
	E	Max. 1249 l/min (330 US gpm) 11312 BPD @ 103 bar (1500 psi)
	F	Max. 1060 l/min (280 US gpm) 9598 BPD @ 120 bar (1750 psi)
	H	Max. 871 l/min (230 US gpm) 7884 @ 138 bar (2000 psi)
6		Pump Head Version
	A	NPT Ports (Steel)
	C	Weld Neck (Steel)
	D	Weld Neck (316L Stainless Steel)
	E	Weld Neck (Hastelloy C)
	F	Weld Neck (Duplex Alloy 2205 Stainless Steel)
	G	ANSI Flanged Ports (Duplex Stainless Steel)
	T	ANSI Flanged Ports (Hastelloy C)
7		Pump Head Material
	D	Nickel Aluminium Bronze (NAB)
8		Diaphragm & O-ring Material
	A	Aflas
	G	FKM
	T	Buna-N
9		Valve Seat Material
	H	17-4 Stainless Steel
	N	Nitronic 50
	T	Hastelloy C
10		Valve Material
	F	17-4 Stainless Steel
	N	Nitronic 50
	T	Hastelloy C

Digit	Order Code	Description
11		Valve Springs
	E	Elgiloy
	T	Hastelloy C
12		Valve Spring Retainers / Valve Guide
	N	Nitronic 50 / PVDF
	T	Hastelloy C / PVDF
13		Hydra-Oil
	A	10W30 standard-duty oil
	B	40-wt.
	H	15W50 high-temp severe-duty synthetic oil
14		Oil Level Monitor Cover
	C	Float Switch, normally closed (recommended)
	O	Float Switch, normally open
	S	Float switch, Class I, Div. 1, Groups A, B, C, D, normally closed
	T	Float switch, Class I, Div. 1, Groups A, B, C, D, normally open



Partners in over 70 countries



WANNER™
Global Sales and Technical Support

Americas

- Minneapolis, Minnesota USA
- Wichita Falls, Texas USA
- São Paulo, Brazil
- Buenos Aires, Argentina

EMEA | Australia

- Hampshire, United Kingdom
- Cairo, Egypt
- Düsseldorf, Germany
- Lyon, France

Asia | Pacific

- Kowloon, Hong Kong
- Shanghai, China
- Jakarta, Indonesia

India

- Mumbai, India
- New Delhi
- Bangalore
- Gujarat

Wanner worldwide

GLOBAL SALES & TECHNICAL SUPPORT

WANNER ENGINEERING, INC.

WORLD HEADQUARTERS &
MANUFACTURING

Minneapolis, Minnesota USA
t: 612-332-5681
e: sales@wannereng.com
Hydra-Cell.com

REGIONAL OFFICE

Wichita Falls, Texas USA
t: 940-322-7111
e: sales@wannereng.com

LATIN AMERICAN OFFICE

São Paulo, Brazil
t: +55 (11) 99582-1969
e: mmagoni@wannereng.com
Hydra-Cell-Pumps.com.br

WANNER INTERNATIONAL, LTD.

UNITED KINGDOM

Church Crookham,
Hampshire UK GU52 8BF
t: +44 (0) 1252 816847
e: support@wannerint.com
Hydra-Cell.co.uk

WANNER PUMPS, LTD.

Kowloon, HONG KONG

t: +852 3428 6534
e: sales@wannerpumps.com
WannerPumps.com

Shanghai, CHINA

t: +86-21-6876 3700
e: sales@wannerpumps.com
WannerPumps.com

WANNER INDIA PVT. LTD.

Mumbai, INDIA

t: +91 (22) 22044766
e: support@wannerindia.com
WannerIndia.com



Q330 PRO SERIES

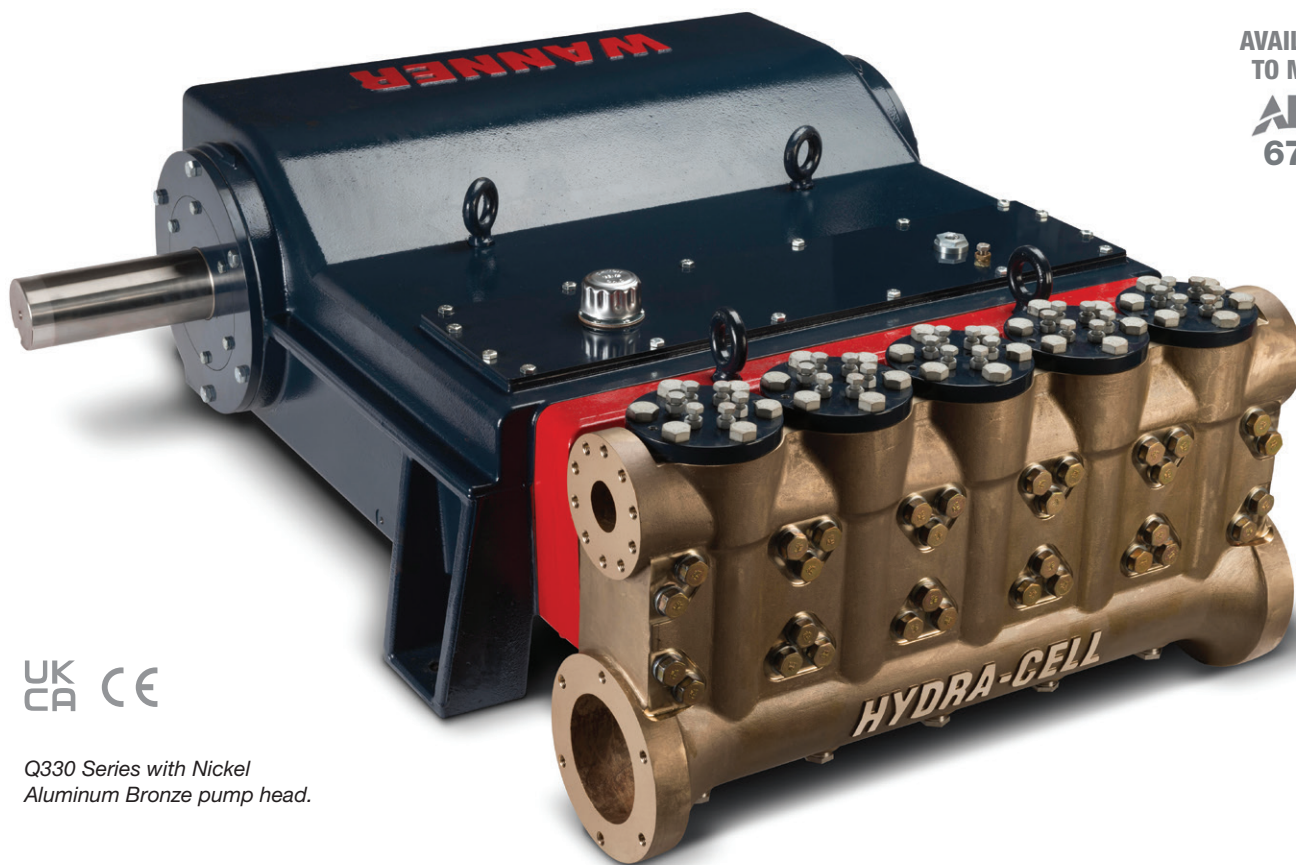
MEDIUM PRESSURE

Maximum Flow Rate: 579 l/min (153 US gpm) 5247 BPD

Maximum Pressure: 241 bar (3500 psi)

WANNER™ HYDRA-CELL® PRO
SEAL-LESS PUMP TECHNOLOGIES

AVAILABLE
TO MEET



UK
CA CE

Q330 Series with Nickel
Aluminum Bronze pump head.

A higher standard of pump performance and energy efficiency.

- Integrates **Wanner Hydra-Cell® Pro** seal-less pump technologies for the highest levels of volumetric and energy efficiencies across a full rpm range.
- Patented ADPC (Advanced Diaphragm Position Control) and hydraulic oil management systems protect diaphragms under closed or restricted inlet conditions.
- Can run dry indefinitely without damage to the pump, eliminating downtime and repair costs.
- Pumped liquid is 100% contained, eliminating environmental risks, ground contamination and volatile emissions.
- Seal-less design eliminates leaks, hazards and costs associated with seals and plunger packing.
- Exceeds API 675 standards for accuracy, linearity and repeatability.
- Wider range and higher inlet pressures to 34 barg.
- Self-priming – eliminates need for charge pumps.
- Unique diaphragm design reliably handles a wide range of viscosities and shear sensitivities, corrosive liquids, abrasives, slurries and suspended solids.
- Lower total cost of ownership in acquisition, operation, service, maintenance, and energy use.

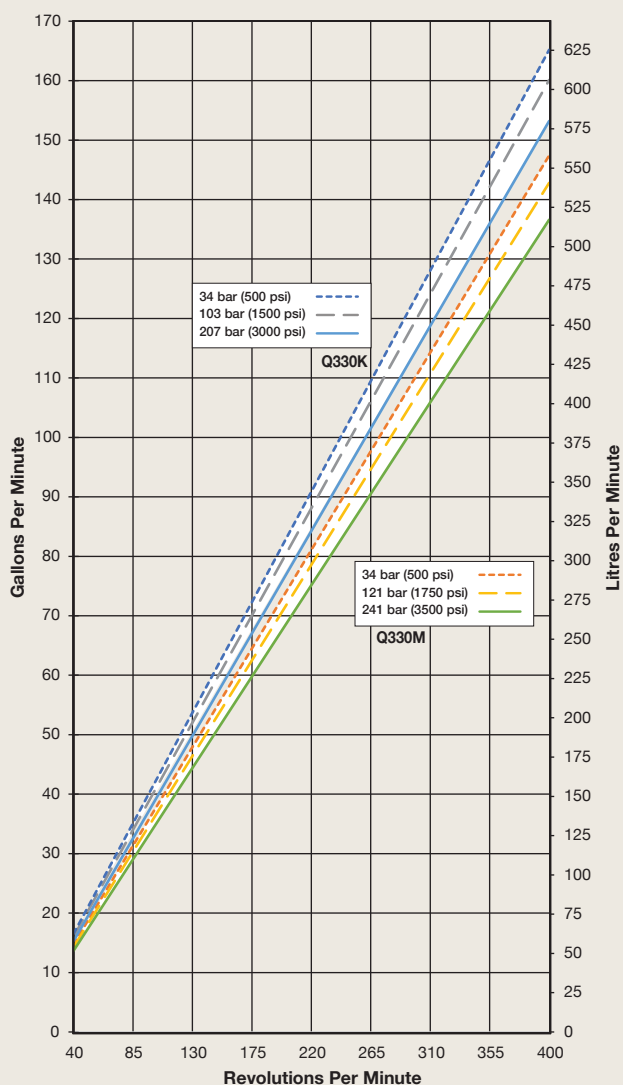
Q330 Pro Medium Pressure | Performance

Capacities

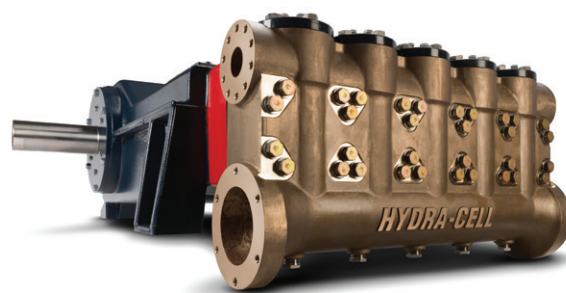
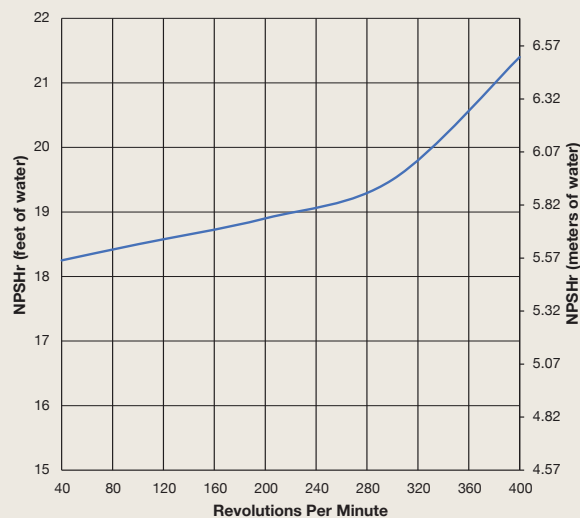
Model	Max. Input rpm	Plunger Dia. mm inches	Max. Flow Capacities			Max. Pressure Ratings			
						Discharge		Inlet	
			US gpm	l/min	BPD	bar	psi	bar	psi
Q330K	400	57 2.250	153	579	5247	207	3000	34	500
Q330M	400	54 2.125	136	514	4664	241	3500	34	500

Consult factory when operating below 40 rpm

Maximum Flow at Designated Pressure



Net Positive Suction Head (NPSHr)



Q330 Series pumps feature the Hydra-Cell seal-less design, eliminating clean-up costs from leaking seals or packing and protecting operators from dangerous fluids such as those containing hydrogen sulfide.

Due to the Wanner Engineering Continuous Improvement Program, specifications and other data are subject to change.

Q330 Pro Medium Pressure | Specifications

Flow Capacities

Model	Pressure bar (psi)	rpm	US gpm	l/min	BPD
Q330K	207 (3000)	400	153	579	5247
Q330M	241 (3500)	400	136	514	4664

Delivery

	Pressure bar (psi)	gal/rev	litres/rev
Q330K	34 (500)	0.413	1.563
	103 (1500)	0.400	1.515
	207 (3000)	0.383	1.447
Q330M	34 (500)	0.369	1.395
	121 (1750)	0.357	1.351
	241 (3500)	0.340	1.285

rpm

Maximum:	400
Minimum:	40

Consult factory for speeds less than 40 rpm.

Maximum Discharge Pressure

Metallic Heads:	Q330K 207 bar (3000 psi)
	Q330M 241 bar (3500 psi)

Maximum Inlet Pressure 34 bar (500 psi)

Operating Temperature

Maximum:	82.2°C (180°F)
Minimum:	4.4°C (40°F)

Consult factory for temperatures outside of these ranges

Maximum Solids Size 800 microns

Input Shaft Right Side

Inlet Ports Weld-On: 6 inch / SCH. 40 6 inch NPT, 6 inch Class 300 RF ANSI

Discharge Ports Weld-On: 3 inch / SCH. XXH 3 inch NPT, 3 inch Class 2500 RTJ ANSI

Plunger Stroke Length 127 mm (5 inch)

Shaft Diameter 101.6 mm (4 inch))

Shaft Rotation Uni-directional (See rotation arrow.)

Oil Capacity 104.1 litres (110 US quarts)

Weight

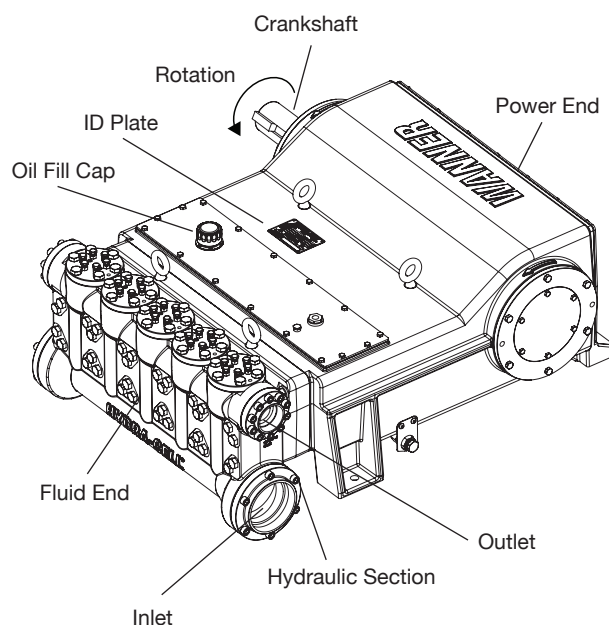
Metallic Heads:	2268 kg (5000 lbs.)
-----------------	---------------------

Fluid End Materials

Manifold:	Nickel Aluminum Bronze (NAB)
Diaphragm/Elastomers:	FKM Buna-N
Diaphragm Follower Screw:	316 Stainless Steel
Valve Spring Retainer:	Hastelloy C
Check Valve Spring:	Elgiloy Hastelloy C
Valve Disc/Seat:	17-4 Stainless Steel Nitronic 50 Hastelloy C
Outlet Valve Retainer:	316 Stainless Steel
Plug-Outlet Valve Port:	316 Stainless Steel
Inlet Valve Retainer:	316 Stainless Steel

Power End Materials

Crankshaft:	Ductile Iron
Connecting Rods:	Ductile Iron
Crossheads:	Ductile Iron
Crankcase:	Ductile Iron
Bearings:	Spherical Roller Journal (outer mains) Steel Backed Tri-metal (crankpin) Bronze (wristpin, centre mains)



Calculating Required Horsepower (kW)*

$$\frac{\text{US gpm} \times \text{psi}}{1,460} = \text{electric motor hp}^*$$

$$\frac{\text{lpm} \times \text{bar}}{511} = \text{electric motor kW}^*$$

* hp (kW) is required application power.

Attention!

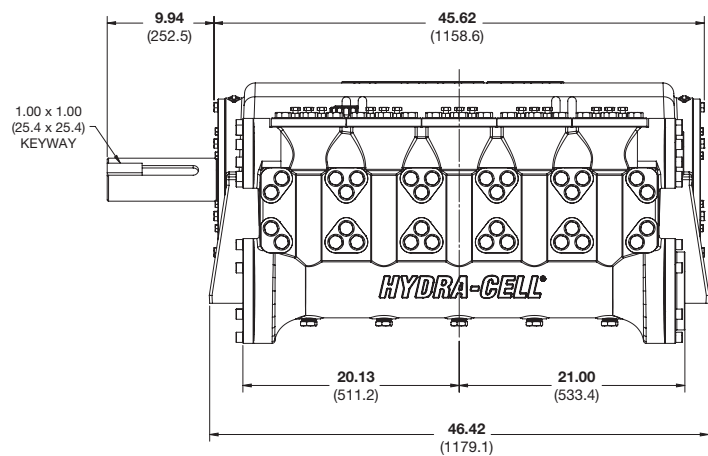
When sizing motors with variable speed drives (VFD): It is very important to select a motor and a VFD rated for constant torque inverter duty service and that the motor is rated to meet the torque requirements of the pump throughout desired speed range.

Due to the Wanner Engineering Continuous Improvement Program, specifications and other data are subject to change.

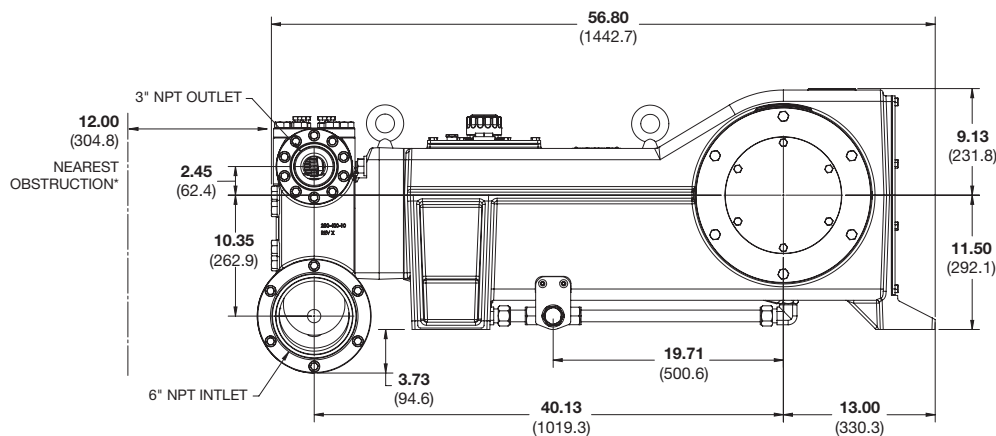
Q330 Pro Medium Pressure | Representative Drawings

Threaded Version inches (mm)

Front View

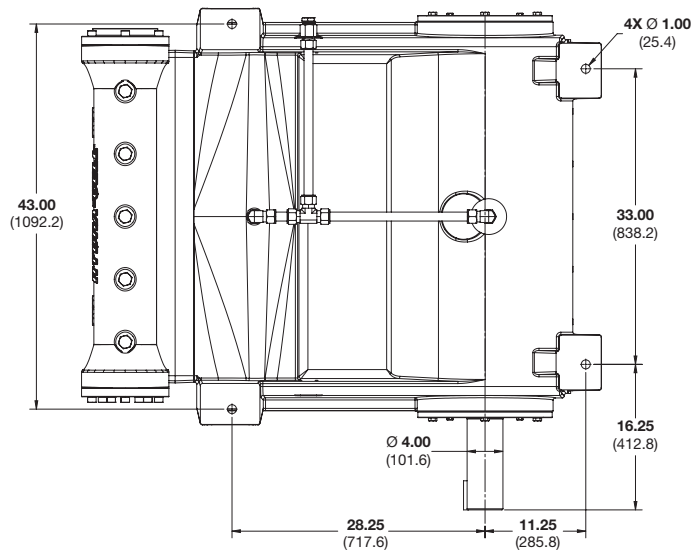


Side View



*Contact factory for obstruction distances closer than 12 inches (304.8 mm).

Bottom View



Note: Dimensions are for reference only. Contact Wanner International for certified drawings.

Q330 Pro Medium Pressure | How to Order

Ordering Information

A complete Q330 Series Medium Pressure Model Number contains 14 digits including 8 customer-specified design and materials options, for example: Q330KDDGHFETA.

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Q	3	3	0			D					T		

Q330 Medium Pressure

Digit	Order Code	Description
1-4	Q330	Pump Configuration Shaft-driven
5	K	Performance Max. 579 l/min (153 US gpm) 5247 BPD @ 207 bar (3000 psi)
	M	Max. 514 l/min (136 US gpm) 4664 BPD @ 241 bar (3500 psi)
6	A	Pump Head Version NPT Ports (Steel)
	C	Weld Neck (Steel)
	D	Weld Neck (316L Stainless Steel)
	E	Weld Neck (Hastelloy C)
	F	Weld Neck (Duplex Alloy 2205 Stainless Steel)
	G	ANSI Flanged Ports (Duplex Stainless Steel)
	T	ANSI Flanged Ports (Hastelloy)
7	D	Pump Head Material Nickel Aluminium Bronze (NAB)
8	G	Diaphragm & O-ring Material FKM
	T	Buna-N
9	H	Valve Seat Material 17-4 Stainless Steel
	N	Nitronic 50
	T	Hastelloy C
10	F	Valve Material 17-4 Stainless Steel
	N	Nitronic 50
	T	Hastelloy C
11	E	Valve Springs Elgiloy
	T	Hastelloy C
12	T	Valve Spring Retainers Hastelloy C

Digit	Order Code	Description
13	A	Hydra-Oil 10W30 standard-duty oil
	B	40-wt. oil
	H	15W50 high-temp severe-duty synthetic oil
14	C	Oil Level Monitor Cover Float Switch, normally closed (recommended)
	O	Float Switch, normally open
	S	Float switch, Class I, Div. 1, Groups A, B, C, D, normally closed
	T	Float switch, Class I, Div. 1, Groups A, B, C, D, normally open



Partners in over 70 countries



Global Sales and Technical Support

Americas

- Minneapolis, Minnesota USA
- Wichita Falls, Texas USA
- São Paulo, Brazil
- Buenos Aires, Argentina

EMEA | Australia

- Hampshire, United Kingdom
- Cairo, Egypt
- Düsseldorf, Germany
- Lyon, France

Asia | Pacific

- Kowloon, Hong Kong
- Shanghai, China
- Jakarta, Indonesia

India

- Mumbai, India
- New Delhi
- Bangalore
- Gujarat

Wanner worldwide

GLOBAL SALES & TECHNICAL SUPPORT

WANNER ENGINEERING, INC.

WORLD HEADQUARTERS &
MANUFACTURING

Minneapolis, Minnesota USA
t: 612-332-5681
e: sales@wannereng.com
Hydra-Cell.com

REGIONAL OFFICE

Wichita Falls, Texas USA
t: 940-322-7111
e: sales@wannereng.com

LATIN AMERICAN OFFICE

São Paulo, Brazil
t: +55 (11) 99582-1969
e: mmagoni@wannereng.com
Hydra-Cell-Pumps.com.br

WANNER INTERNATIONAL, LTD.

UNITED KINGDOM

Church Crookham,
Hampshire UK GU52 8BF

t: +44 (0) 1252 816847
e: support@wannerint.com
Hydra-Cell.co.uk

WANNER PUMPS, LTD.

Kowloon, HONG KONG

t: +852 3428 6534
e: sales@wannerpumps.com
WannerPumps.com

Shanghai, CHINA

t: +86-21-6876 3700
e: sales@wannerpumps.com
WannerPumps.com

WANNER INDIA PVT. LTD.

Mumbai, INDIA

t: +91 (22) 22044766
e: support@wannerindia.com
WannerIndia.com



Q330 PRO SERIES HIGH PRESSURE

Maximum Flow Rate: 446 l/min (118 US gpm) 4045 BPD
Maximum Pressure: 310 bar (4500 psi)

WANNER™ HYDRA-CELL® PRO
SEAL-LESS PUMP TECHNOLOGIES



AVAILABLE
TO MEET

API
674

UK
CA CE

Q330 Series with Nickel
Aluminum Bronze pump head.

A higher standard of pump performance and energy efficiency.

- Integrates **Wanner Hydra-Cell® Pro** seal-less pump technologies for the highest levels of volumetric and energy efficiencies across a full rpm range.
- Patented ADPC (Advanced Diaphragm Position Control) and hydraulic oil management systems protect diaphragms under closed or restricted inlet conditions.
- Can run dry indefinitely without damage to the pump, eliminating downtime and repair costs.
- Pumped liquid is 100% contained, eliminating environmental risks, ground contamination and volatile emissions.
- Seal-less design eliminates leaks, hazards and costs associated with seals and plunger packing.
- Exceeds API 675 standards for accuracy, linearity and repeatability.
- Wider range and higher inlet pressures to 34 barg.
- Self-priming – eliminates need for charge pumps.
- Unique diaphragm design reliably handles a wide range of viscosities and shear sensitivities, corrosive liquids, abrasives, slurries and suspended solids.
- Lower total cost of ownership in acquisition, operation, service, maintenance, and energy use.

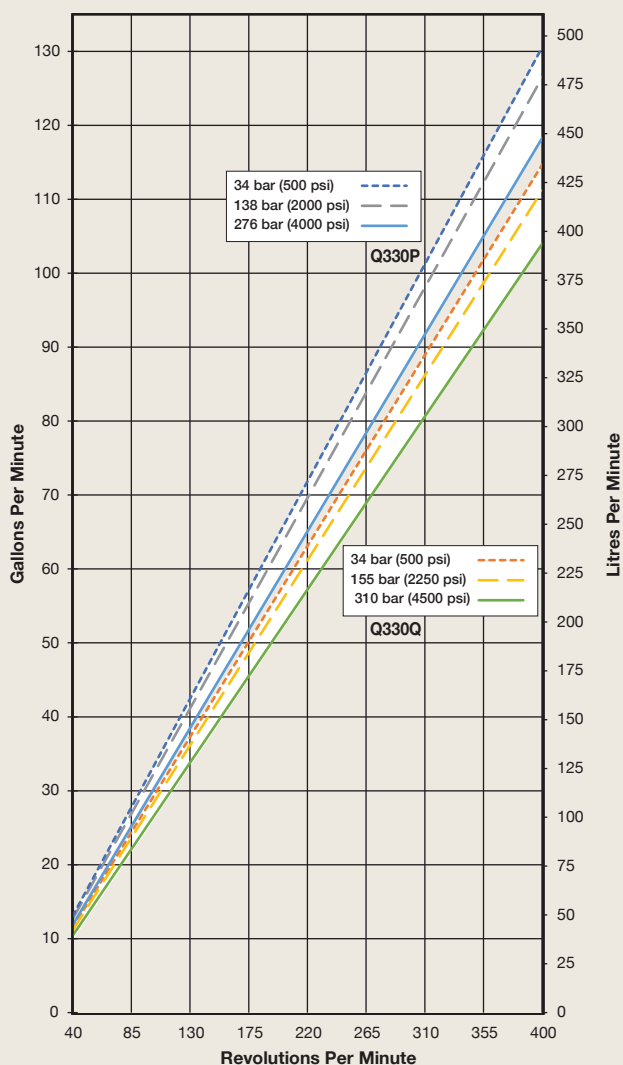
Q330 Pro High Pressure | Performance

Capacities

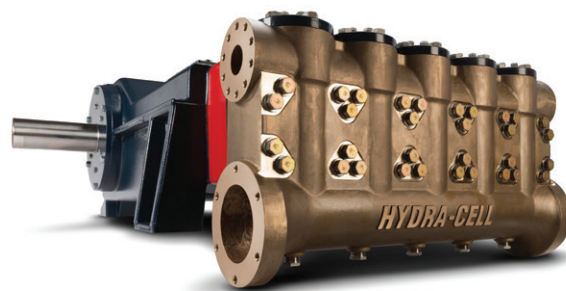
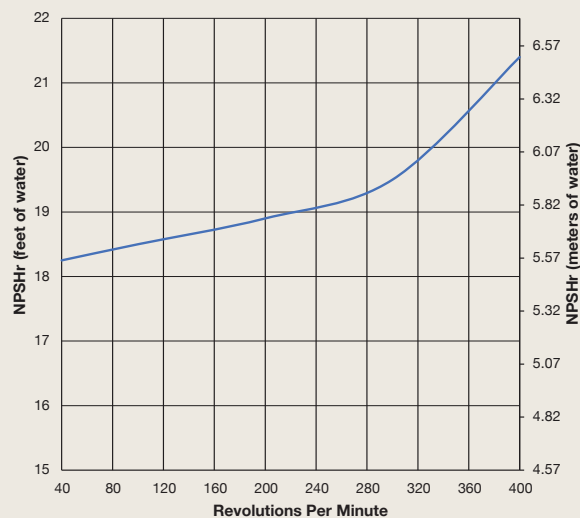
Model	Max. Input rpm	Plunger Dia. mm inches	Max. Flow Capacities			Max. Pressure Ratings			
						Discharge		Inlet	
			US gpm	l/min	BPD	bar	psi	bar	psi
Q330P	400	51 2.000	118	446	4045	276	4000	34	500
Q330Q	400	48 1.875	104	393	3566	310	4500	34	500

Consult factory when operating below 40 rpm

Maximum Flow at Designated Pressure



Net Positive Suction Head (NPSHr)



Q330 Series pumps feature the Hydra-Cell seal-less design, eliminating clean-up costs from leaking seals or packing and protecting operators from dangerous fluids such as those containing hydrogen sulfide.

Due to the Wanner Engineering Continuous Improvement Program, specifications and other data are subject to change.

Q330 Pro High Pressure | Specifications

Flow Capacities

Model	Pressure bar (psi)	rpm	US gpm	l/min	BPD
Q330P	278 (4000)	400	118	446	4045
Q330Q	310 (4500)	400	104	393	3566

Delivery

	Pressure bar (psi)	gal/rev	litres/rev
Q330P	34 (500)	0.325	1.230
	138 (2000)	0.310	1.172
	278 (4000)	0.293	1.109
Q330Q	34 (500)	0.286	1.083
	155 (2250)	0.276	1.046
	310 (4500)	0.260	0.983

rpm

Maximum:	400
Minimum:	40

Consult factory for speeds less than 40 rpm.

Maximum Discharge Pressure

Metallic Heads:	Q330P 276 bar (4000 psi)
	Q330Q 310 bar (4500 psi)

Maximum Inlet Pressure 34 bar (500 psi)

Operating Temperature

Maximum:	82.2°C (180°F)
Minimum:	4.4°C (40°F)

Consult factory for temperatures outside of these ranges

Maximum Solids Size 800 microns

Input Shaft Right Side

Inlet Ports Weld-On: 6 inch / SCH. 40 6 inch NPT, 6 inch Class 300 RF ANSI

Discharge Ports Weld-On: 3 inch / SCH. XXH 3 inch NPT, 3 inch Class 2500 RTJ ANSI

Plunger Stroke Length 127 mm (5 inch)

Shaft Diameter 101.6 mm (4 inch))

Shaft Rotation Uni-directional (See rotation arrow.)

Oil Capacity 104.1 litres (110 US quarts)

Weight

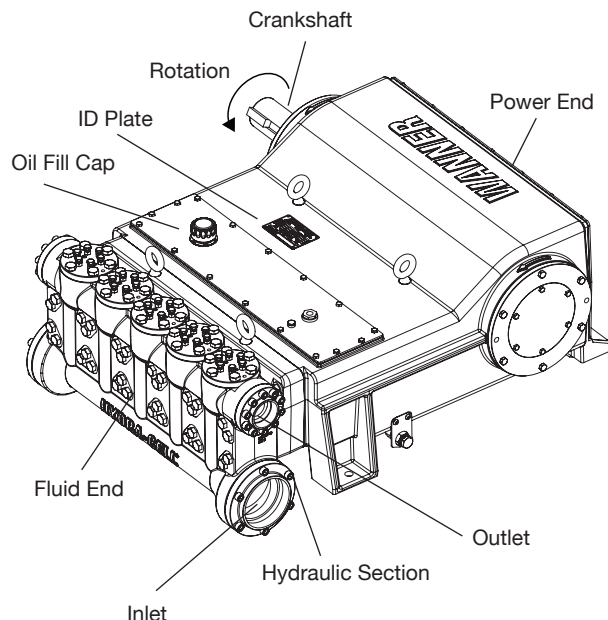
Metallic Heads:	2268 kg (5000 lbs.)
-----------------	---------------------

Fluid End Materials

Manifold:	Nickel Aluminum Bronze (NAB)
Diaphragm/Elastomers:	FKM Buna-N
Diaphragm Follower Screw:	316 Stainless Steel Duplex Alloy 2205 Stainless Steel Hastelloy C
Valve Spring Retainer:	Hastelloy C
Check Valve Spring:	Elgiloy Hastelloy C
Valve Disc/Seat:	17-4 Stainless Steel Nitronic 50 Hastelloy C
Inlet/Outlet Valve Retainer:	316 Stainless Steel Duplex Alloy 2205 Stainless Steel Hastelloy C

Power End Materials

Crankshaft:	Ductile Iron
Connecting Rods:	Ductile Iron
Crossheads:	Ductile Iron
Crankcase:	Ductile Iron
Bearings:	Spherical Roller Journal (outer mains) Steel Backed Tri-metal (crankpin) Bronze (wristpin, centre mains)



Calculating Required Horsepower (kW)*

$$\frac{\text{US gpm} \times \text{psi}}{1,460} = \text{electric motor hp}^*$$

$$\frac{\text{lpm} \times \text{bar}}{511} = \text{electric motor kW}^*$$

* hp (kW) is required application power.

Attention!

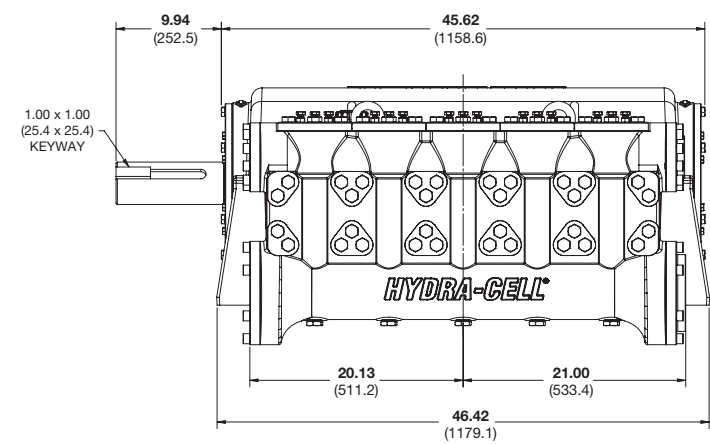
When sizing motors with variable speed drives (VFD): It is very important to select a motor and a VFD rated for constant torque inverter duty service and that the motor is rated to meet the torque requirements of the pump throughout desired speed range.

Due to the Wanner Engineering Continuous Improvement Program, specifications and other data are subject to change.

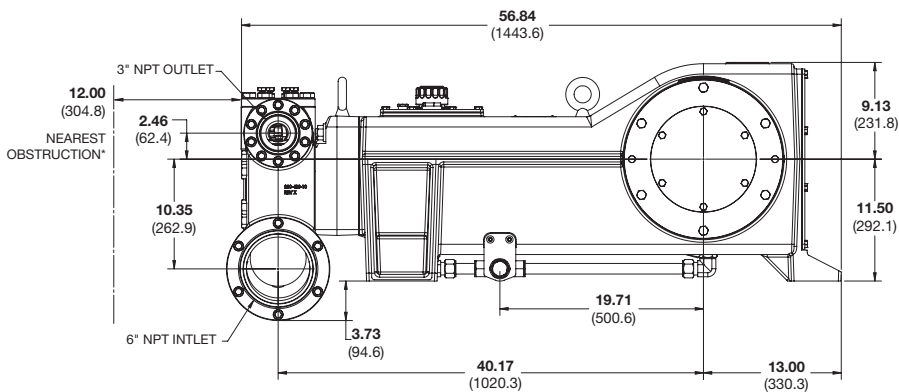
Q330 Pro High Pressure | Representative Drawings

Threaded Version inches (mm)

Front View

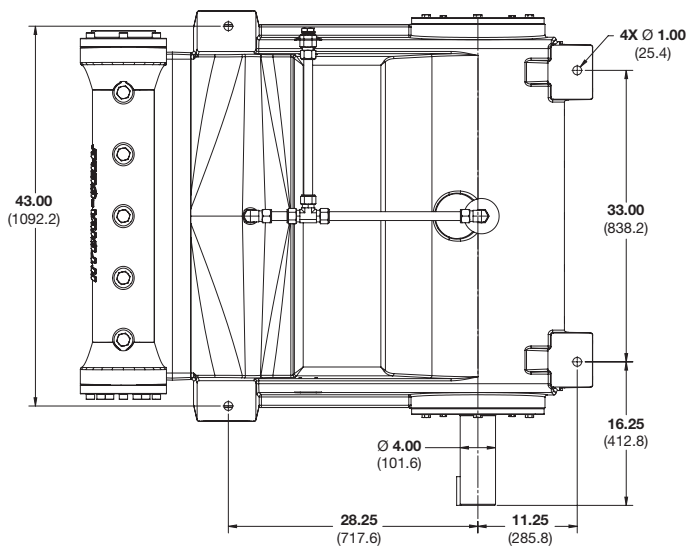


Side View



*Contact factory for obstruction distances closer than 12 inches (304.8 mm).

Bottom View



Note: Dimensions are for reference only. Contact Wanner International for certified drawings.

Q330 Pro High Pressure | How to Order

Ordering Information

A complete Q330 Series High Pressure Model Number contains 14 digits including 8 customer-specified design and materials options, for example: Q330QRDGTTTTA.

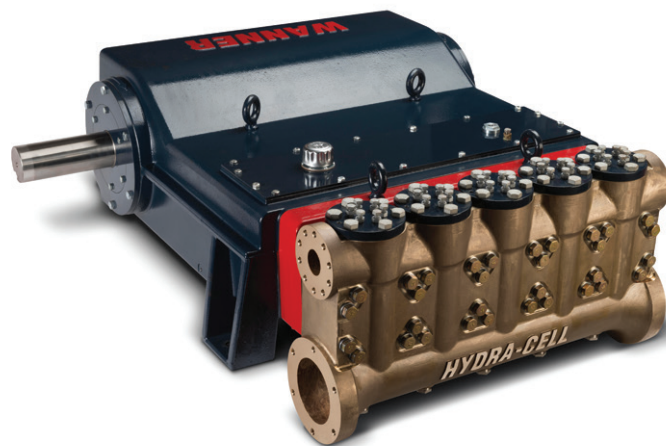
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Q	3	3	0			D					T		

Q330 High Pressure

Digit	Order Code	Description
1-4	Q330	Pump Configuration Shaft-driven
5	P	Performance Max. 446 l/min (118 US gpm) 4045 BPD @ 276 bar (4000 psi)
	Q	Max. 393 l/min (104 US gpm) 3566 BPD @ 310 bar (4500 psi)
6	A	Pump Head Version NPT Ports (Steel)
	C	Weld Neck (Steel)
	D	Weld Neck (316L Stainless Steel)
	E	Weld Neck (Hastelloy C)
	F	Weld Neck (Duplex Alloy 2205 Stainless Steel)
	G	ANSI Flanged Ports (Duplex Stainless Steel)
	T	ANSI Flanged Ports (Hastelloy)
7	D	Pump Head Material Nickel Aluminium Bronze (NAB)
8	G	Diaphragm & O-ring Material FKM
	T	Buna-N
9	D	Valve Seat Material Tungsten Carbide*
	H	17-4 Stainless Steel
	N	Nitronic 50
	T	Hastelloy C
10	D	Valve Material Tungsten Carbide*
	F	17-4 Stainless Steel
	N	Nitronic 50
	T	Hastelloy C
11	D	Valve Springs Elgiloy for Tungsten Carbide valves*
	E	Elgiloy
	T	Hastelloy C
12	T	Valve Spring Retainers / Valve Guide Hastelloy C / PVDF

Digit	Order Code	Description
13	A	Hydra-Oil 10W30 standard-duty oil
	B	40-wt. oil
	H	15W50 high-temp severe-duty synthetic oil
14	C	Oil Level Monitor Cover Float Switch, normally closed (recommended)
	O	Float Switch, normally open
	S	Float switch, Class I, Div. 1, Groups A, B, C, D, normally closed
	T	Float switch, Class I, Div. 1, Groups A, B, C, D, normally open

* Tungsten Carbide valve seat and disc are a matched set and must be purchased together along with appropriate valve springs.



Partners in over 70 countries



WANNER™
Global Sales and Technical Support

Americas

- Minneapolis, Minnesota USA
- Wichita Falls, Texas USA
- São Paulo, Brazil
- Buenos Aires, Argentina

EMEA | Australia

- Hampshire, United Kingdom
- Cairo, Egypt
- Düsseldorf, Germany
- Lyon, France

Asia | Pacific

- Kowloon, Hong Kong
- Shanghai, China
- Jakarta, Indonesia

India

- Mumbai, India
- New Delhi
- Bangalore
- Gujarat

Wanner worldwide

GLOBAL SALES & TECHNICAL SUPPORT

WANNER ENGINEERING, INC.

WORLD HEADQUARTERS &
MANUFACTURING

Minneapolis, Minnesota USA
t: 612-332-5681
e: sales@wannereng.com
Hydra-Cell.com

REGIONAL OFFICE

Wichita Falls, Texas USA
t: 940-322-7111
e: sales@wannereng.com

LATIN AMERICAN OFFICE

São Paulo, Brazil
t: +55 (11) 99582-1969
e: mmagoni@wannereng.com
Hydra-Cell-Pumps.com.br

WANNER INTERNATIONAL, LTD.

UNITED KINGDOM

Church Crookham,
Hampshire UK GU52 8BF
t: +44 (0) 1252 816847
e: support@wannerint.com
Hydra-Cell.co.uk

WANNER PUMPS, LTD.

Kowloon, HONG KONG
t: +852 3428 6534
e: sales@wannerpumps.com
WannerPumps.com

Shanghai, CHINA
t: +86-21-6876 3700
e: sales@wannerpumps.com
WannerPumps.com

WANNER INDIA PVT. LTD.

Mumbai, INDIA
t: +91 (22) 22044766
e: support@wannerindia.com
WannerIndia.com

