Pro-Flo® R Series

simple. reliable. efficient

WILDEN®

Where Innovation Flows

WILDEN®

Pro-Flo® R Series

Based on the same legacy design that Jim Wilden invented in 1955, the Wilden Pro-Flo® R Series Air-Operated Double-Diaphragm (AODD) Pump offers the reliability and performance that end users have come to depend on from the global leader in AODD pump technology. Ideally suited for a wide array of markets and industries, the Pro-Flo R Series combines rugged, bolted construction with a simple, sustainable design to increase productivity and flexibility while reducing downtime and maintenance.

BENEFITS OF PRO-FLO R SERIES

Thanks to their unique operating principle, AODD pumps excel in a wide variety of applications and incorporate numerous features and benefits, including:

- Self-priming
- Portable
- Superior product containment
- High vacuum
- Run-dry capable
- No heat generation
- Submersible
- Longest Mean Time Between Failure (MTBF)
- No mechanical seals - reduces the risk of leaks
- Easy installation
- Corrosion-resistant
- Lube-free operation
- Anti-freezing

Applications

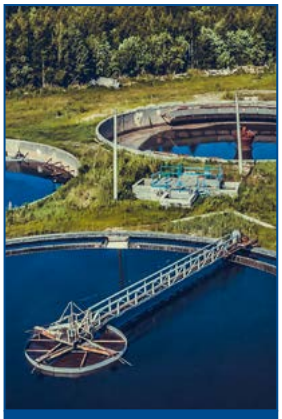
Serving the Chemical, Process, Paint & Coating, API and Water/Wastewater markets, Wilden's world-class distributor network ensures that you will have access to the latest pump technologies and fluid transfer services available when you need them. For more information, please visit our website.

API

CHEMICAL

PAINT & COATING

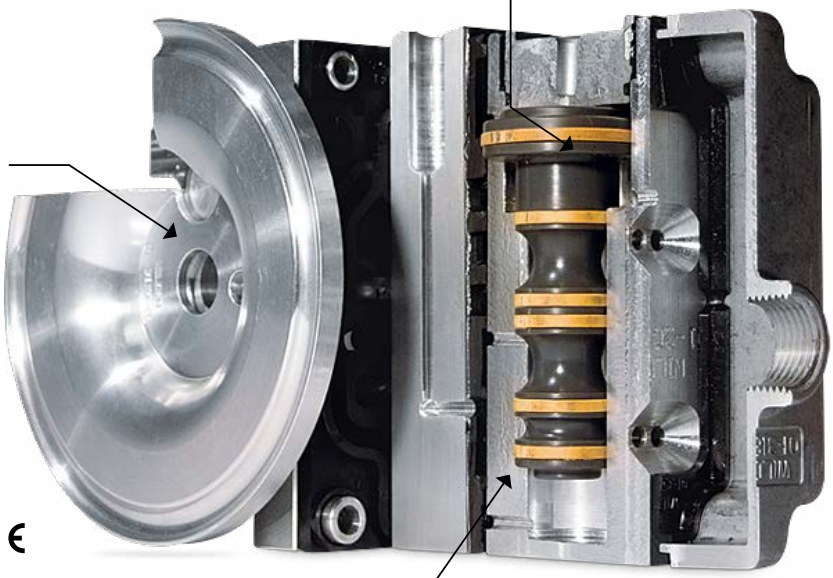
PROCESS



WATER/WASTEWATER

Air Distribution System (ADS) Technology

The secret to the success of the Pro-Flo R Series is the incorporation of a simple, durable and economically-conscious Air Distribution System (ADS) that features a metallic center block, air valve and lube-free operation. The Pro-Flo R ADS incorporates three moving parts – the unbalanced air valve spool, the pilot spool and the main shaft/ diaphragm assembly – for simplicity and high reliability.



Pro-Flo® R Series Pump Designation System

Pro-Flo® R SERIES BOLTED METAL

XPRXX0 / x x xx x / xxx / xx / x xx / xxxx

- **Model**
- **WETTED PATHS**
- **OUTER PISTON**
- **CENTER SECTION**
- **AIR VALVE**
- **DIAPHRAGMS**
- **VALVE BALLS**
- **VALVE SEAT**
- **O-RINGS**
- **SPECIALTY CODE (if applicable)**

MATERIAL CODES

MODEL
XPR260 = 1" PRO-FLO® R ATEX THREADED-PORTS
XPR460 = 1.5" PRO-FLO® R ATEX THREADED-PORTS
XPR860=2" PRO-FLO® R ATEX THREADED-PORTS
XPR1560=3" PRO-FLO® R ATEX THREADED-PORTS
XPR470 = 1.5" PRO-FLO® R ATEX FLANGED-PORTS (ANSI/DIN)
XPR870=2" PRO-FLO® R ATEX FLANGED-PORTS (ANSI/DIN)
XPR1570=3" PRO-FLO® R ATEX FLANGED-PORTS (ANSI/DIN)

WETTED PATH
A = ALUMINUM
S = STAINLESS STEEL

OUTER PISTON
A = ALUMINUM
S = STAINLESS STEEL

CENTER SECTION
AA = ALUMINUM

AIR VALVE
A = ALUMINUM

DIAPHRAGMS
BNS = BUNA-N (Red Dot)
NES = NEOPRENE (Green Dot)
EPS=EPDM (Blue Dot)
TWS = FULL-STROKE PTFE w/ WIL-FLEX™ BACKUP
VTS = FKM (White Dot)
WFS = WIL-FLEX™ [Santoprene® (Three Black Dots)]
ZWS=WIL-FLEX™, EZ-INSTALL [Santoprene®(Three Black Dots)]
TNU = PTFE W/NEOPRENE BACKUP

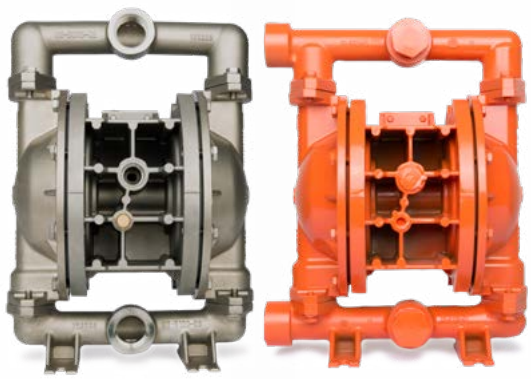
VALVE BALLS
BN = BUNA-N (Red Dot)
NE = NEOPRENE (Green Dot)
EPS=EPDM (Blue Dot)
TF = PTFE (White)
VT = FKM (White Dot)
WF = WIL-FLEX™ [Santoprene® (Three Black Dots)]

VALVE SEATS
A = ALUMINUM
S = STAINLESS STEEL
BN=BUNA-N (Red Dot)
NE=NEOPRENE (Green Dot)
EP=EPDM (Blue Dot)
VT=FKM (White Dot)
WF=WIL-FLEX™, [Santoprene® (Three Black Dots)]

VALVE SEATS O-RINGS
BN = BUNA-N
NE = NEOPRENE
TF = PTFE
VT = FKM
WF = WIL-FLEX™ [Santoprene®]

SPECIALTY CODES

0014	BSPT
0677	25 mm (1") NPT center-ported inlet and discharge (only for Aluminum) Manifold
0678	25 mm (1") BSPT center-ported inlet and discharge (only for Aluminum) Manifold



PR260

25 mm (1") PRO-FLO R BOLTED METAL PUMP

DESIGNATION: THREADED (PR260/A, PR260/S)

Air Inlet: 13 mm (1/2")
Liquid Inlet: 25 mm (1")
Liquid Discharge: 25 mm (1")
Connection Type:
NPT/BSPT (Threaded)

Max. Flow Rate:
182 lpm (48 gpm)

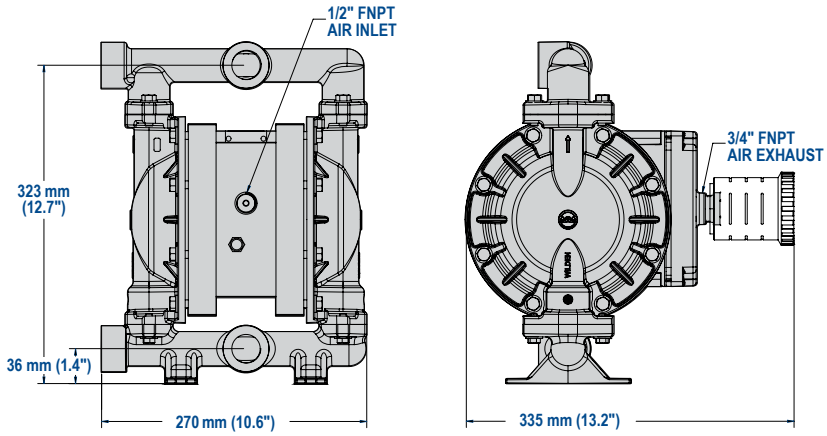
Max. Inlet Pressure:
8.6 bar (125 psig)

Max. Size Solids:
3.2 mm (1/8")

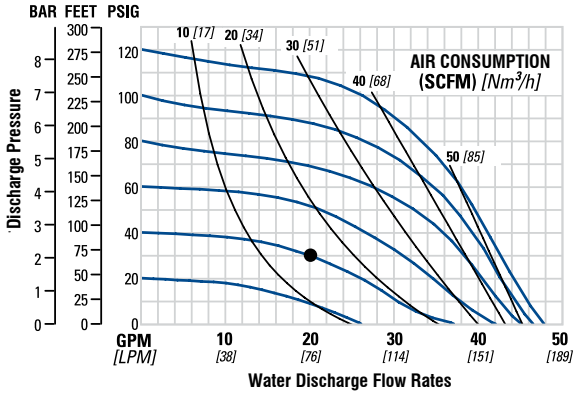
Max. Suction Lift:
6.9 m Dry (22.7")
9.0 m Wet (29.5")

Shipping Weight:
Aluminum 10 kg (22 lb)
Stainless Steel 15 kg (33 lb)

Dimensions PR260 ALUMINUM

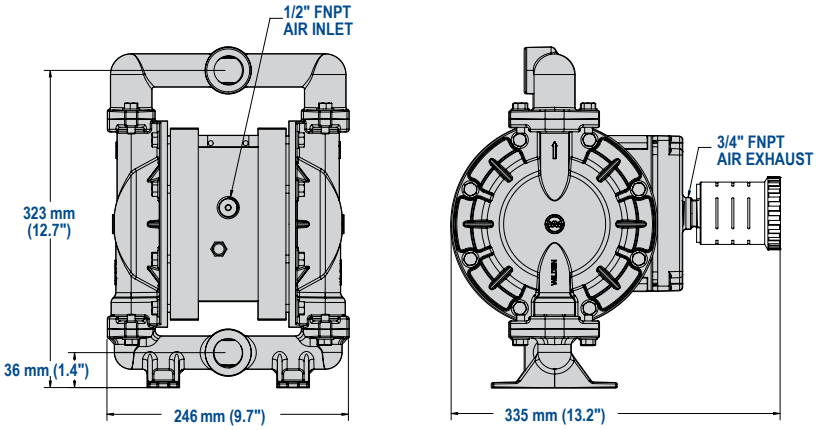


Flow Curve TPE-FITTED

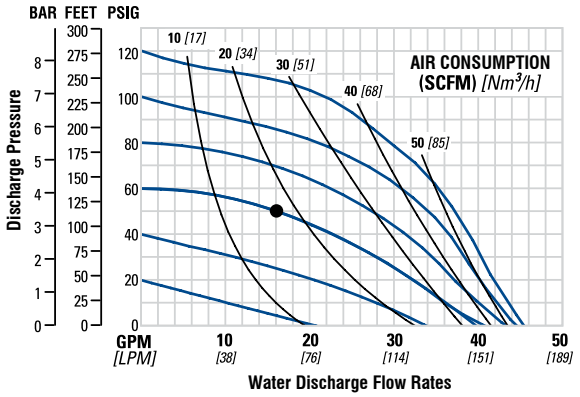


Note that dimensions vary by connection and material. For additional information, please refer to the PR260 Metal EOM.

Dimensions PR260 STAINLESS STEEL



Flow Curve PTFE-FITTED



Note that dimensions vary by connection and material. For additional information, please refer to the PR260 Metal EOM.

PR460/PR470

38 mm (1.5") PRO-FLO R BOLTED METAL PUMP

DESIGNATION: PR460/A, PR460/S, PR470/S

Air Inlet: 19 mm (3/4")
Liquid Inlet: 38 mm (1 1/2")
Liquid Discharge: 38 mm (1 1/2")
Connection Type:
THREADED (NPT/BSPT)
FLANGED (ANSI/DIN COMBO)

Max. Flow Rate:
360 lpm (95 gpm)

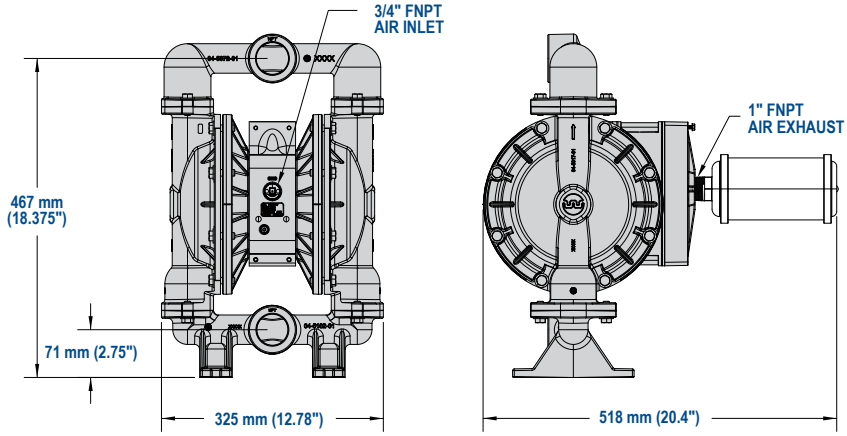
Max. Inlet Pressure:
8.6 bar (125 psig)

Max. Size Solids:
4.8 mm (3/16")

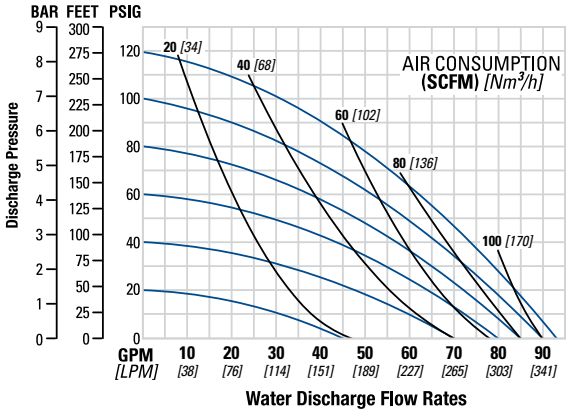
Max. Suction Lift:
6.5 m Dry (21.3")
9.0 m Wet (29.5")

Shipping Weight:
Threaded AL 17.8 kg (39 lb)
Threaded SS 28.8 kg (63 lb)
Flanged SS 33.3kg (73.2lb)

Dimensions PR460 ALUMINUM

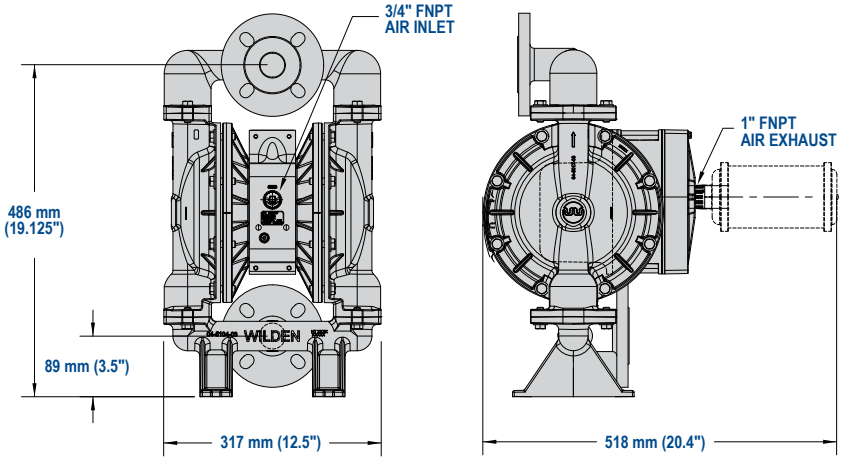


Flow Curve TPE-FITTED

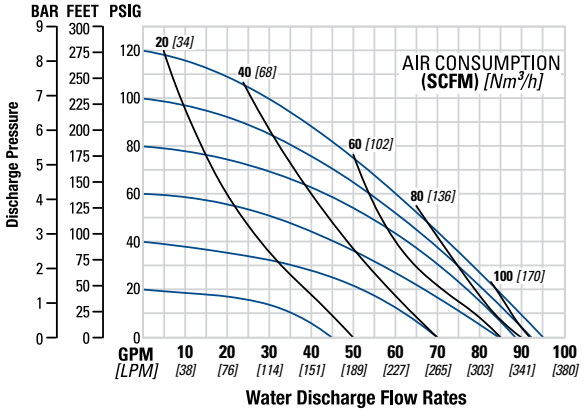


Note that dimensions vary by connection and material. For additional information, please refer to the PR460/PR470 Metal EOM.

Dimensions PR470 STAINLESS STEEL



Flow Curve PTFE-FITTED



Note that dimensions vary by connection and material. For additional information, please refer to the PR460/PR470 Metal EOM.

PR860/PR870

51 mm (2") PRO-FLO R BOLTED METAL PUMP

DESIGNATION: PR860/A, PR860/S, PR870/S

Air Inlet: 19 mm (3/4")
Liquid Inlet: 51 mm (2")
Liquid Discharge: 51 mm (2")
Connection Type:
THREADED (NPT/BSPT)
FLANGED (ANSI/DIN COMBO)

Max. Flow Rate:
651 lpm (172 gpm)

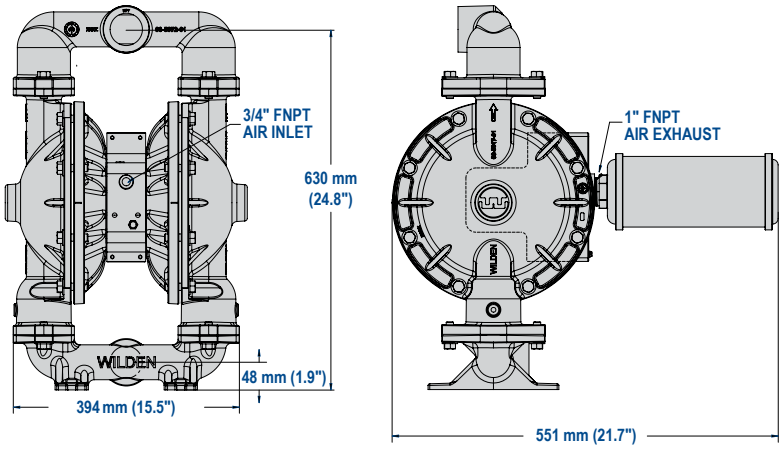
Max. Inlet Pressure:
8.6 bar (125 psig)

Max. Size Solids:
6.4 mm (1/4")

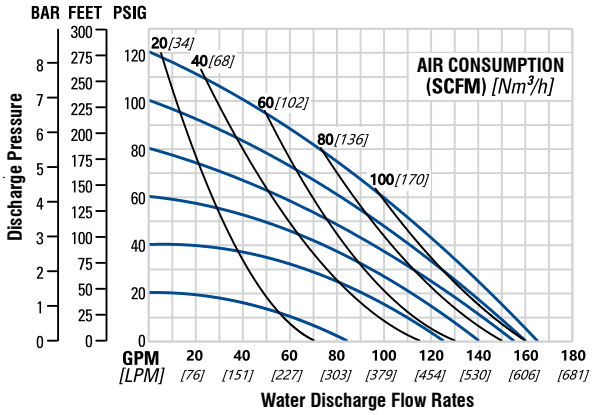
Max. Suction Lift:
5.9 m Dry (19.5")
8.7 m Wet (28.4")

Shipping Weight:
Threaded AL 32 kg (70 lb)
Threaded SS 55 kg (121 lb)
Flanged SS 67kg(137lb)

Dimensions PR860 ALUMINUM

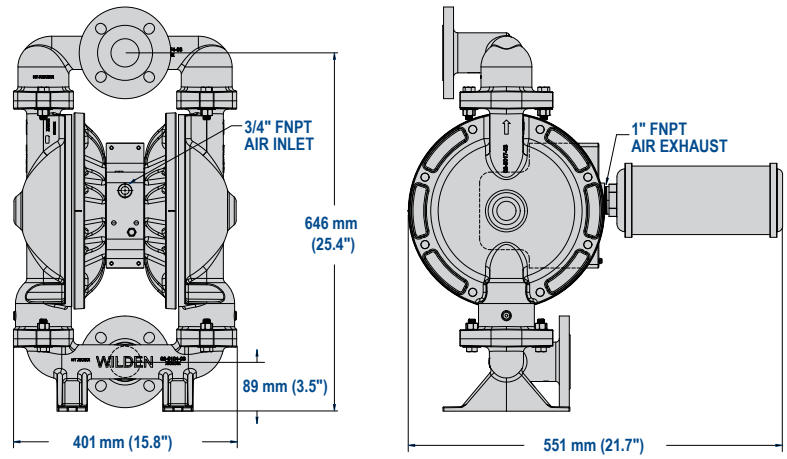


Flow Curve TPE-FITTED

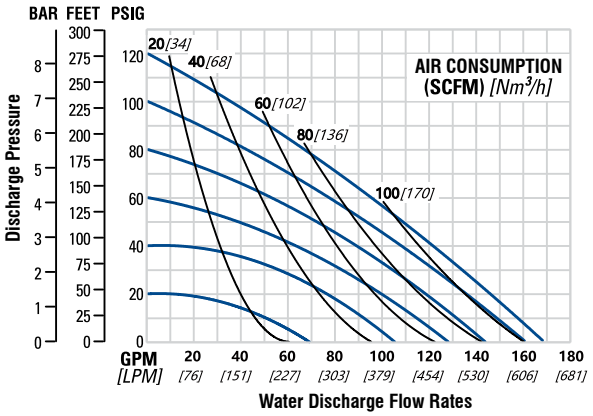


Note that dimensions vary by connection and material. For additional information, please refer to the PR860/PR870 Metal EOM.

Dimensions PR870 STAINLESS STEEL



Flow Curve PTFE-FITTED



Note that dimensions vary by connection and material. For additional information, please refer to the PR860/PR870 Metal EOM.

PR1560/PR1570

76 mm (3") PRO-FLO R BOLTED METAL PUMP

DESIGNATION: PR1560/A, PR1560/S, PR1570/S

Air Inlet: 19 mm (3/4")
Liquid Inlet: 76 mm (3")
Liquid Discharge: 76 mm (3")
Connection Type:
THREADED (NPT/BSPT)
FLANGED (ANSI/DIN COMBO)

Max. Flow Rate:
910 lpm (240 gpm)

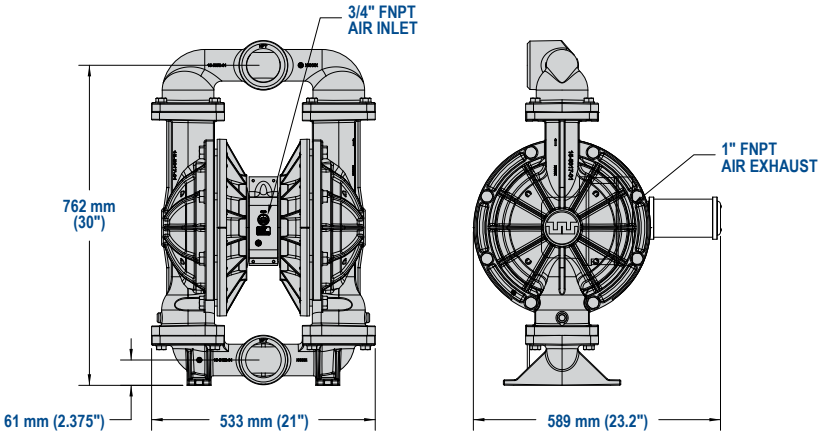
Max. Inlet Pressure:
8.6 bar (125 psig)

Max. Size Solids:
9.5 mm (3/8")

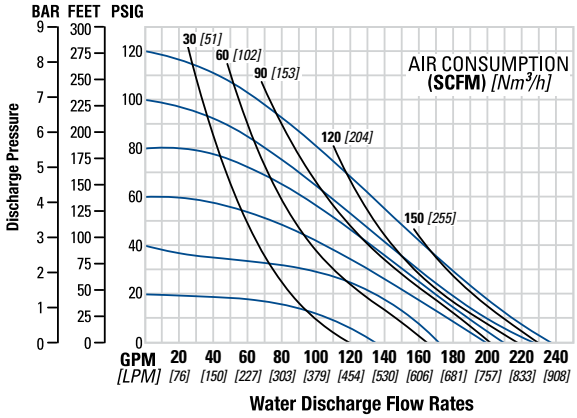
Max. Suction Lift:
6.8 m Dry (22.2")
9 m Wet (29.5")

Shipping Weight:
Threaded AL 58.4 kg (128.5 lb)
Threaded SS 101.4 kg (223 lb)
Flanged SS 113kg(248lb)

Dimensions PR1560 ALUMINUM

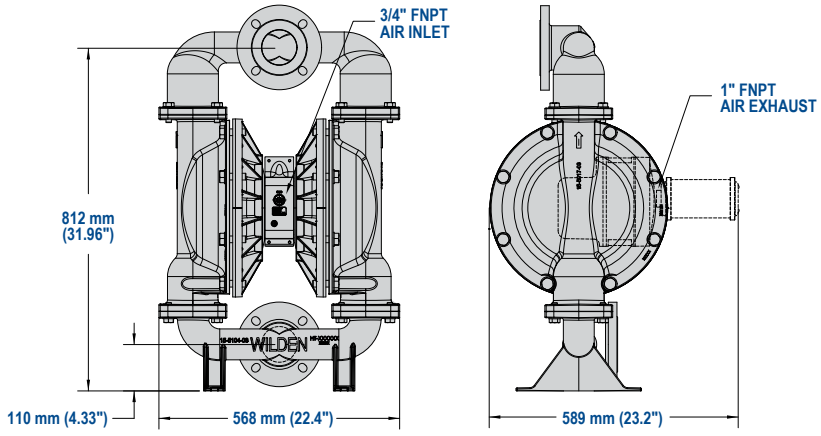


Flow Curve TPE-FITTED

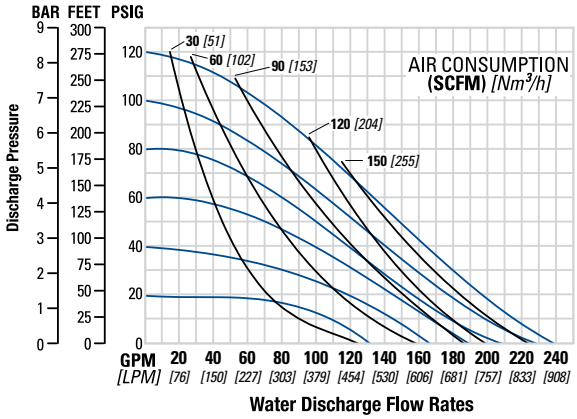


Note that dimensions vary by connection and material. For additional information, please refer to the PR1560/PR1570 Metal EOM.

Dimensions PR1570 STAINLESS STEEL



Flow Curve PTFE-FITTED



Note that dimensions vary by connection and material. For additional information, please refer to the PR1560/PR1570 Metal EOM.

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