

MAGGIO

**AIR OPERATED
DOUBLE-DIAPHRAGM PUMPS**

MA Series

trustworthy solution for your process!





MAGGIO

PUMPS & PRODUCTS

MAGGIO Pumps has been a pump industry leader and innovator since its founding in 1968. We continue to build on our ever growing experience delivering innovative new pumping solutions, including custom designs, to many thousands of customers who use millions of MAGGIO Pumps in some of the world's toughest applications.

MAGGIO Pumps manufactures centrifugal pumps and accessories for industrial and sanitary pumping applications.

Vertical integration, from casting to machining, assembling and testing, ensures quality and availability. MAGGIO is known for its ability to produce custom pumps, built-to-order for specific applications.



PRODUCT
CATALOG

trustworthy solution for your process!

Maggio Air Operated Double Diaphragm Pump (AODDP)

Maggio AODDP (MA Series) is a type of positive displacement pump. It consists of two pumping chambers that are alternately filled and discharged by the movement of flexible diaphragms. Compressed air is alternately fed to, and vented from, air chambers on the opposite sides of the diaphragms to create the pumping action. Maggio MA series are generally used for transfer applications and can handle a wide variety of feeds including sludges, slurries, abrasive and shear sensitive fluids. They are robust, reliable and easy to maintain.



PUMP MODEL AND CODE

Maggio AODDP

Pump Size

Center Block

Pump Body

Diaphragm

Valve Ball

Valve Seat

MAXXXX - XX/XX/XX/XX

Pump Size:

06=1/4 inch
10=3/8 inch
15=1/2 inch
20=3/4 inch
25=1 inch
40=1.5 inch
50=2 inch
80=3 inch

Center block:

AL=Aluminum
PP=PP
SS=SS304

Pump Body:

PP=PP
KV=PVDF
PM=POM
AL=Aluminum
SS=SS304
LL=SS316
AC=Cast iron
TF=Teflon

Diaphragm:

TF=Teflon
ST=Santoprene
HY=Hytrell
VT=Viton
BN=Buna-N
EP=EPDM
GE=Geolast

Valve Ball:

TF=Teflon
ST=ST
HY=Hytrell
VT=Viton
BN=Buna-N
EP=EPDM
SS=SS304
LL=SS316
CM=Ceramic

Valve Seat:

TF=Teflon
ST=ST
VT=Viton
BN=Buna-N
EP=EPDM
SS=SS304
LL=SS316
PP=PP





MAGGIO

MA06/10

AIR OPERATED DOUBLE DIAPHRAGM PUMPS

Typical Applications

- Waste Water Transfer
- Filter Press
- Circulating Ceramic Slurry
- Transferring, Dispensing and Dosing Paint, Ink and Dyes
- Transferring Abrasive Slurries and Sludge Mixtures
- Transferring Fuels for Equipment
- Flush/Clean Paint Lines with Solvents

Specification

Suction & Discharge Size	: 3/8" × 3/8" [End] 1/4" × 1/4" [Center]
Porting Location	: End [AL, SS, Plastic] Center [AL, SS, Plastic]
Connection Types	: FBSP/FNPT
Air Inlet Size	: 1/4"
Max. Flow Rate	: 27 lpm
Max. Head	: 70 m
Max. Air Inlet Pressure	: 7 bar
Max. Particle Size	: 1.6 mm
Suction Lift	: 2.1 mwc [Dry], 3.7~6.4 mwc [Wet]



*Shown in Polypropylene (PP)

Weight

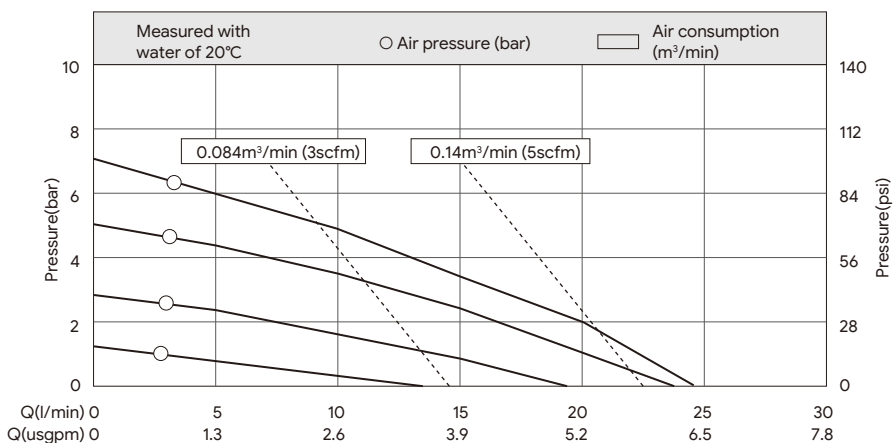
PP Pump	: 1.5 kg
PVDF Pump	: 2 kg
AL Pump	: 2 kg
SS304/SS316 Pump	: 4 kg

Material of Construction

Housing Material	: PP, PVDF, AL, SS304, SS316
Diaphragm Material	: Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N
Valve Ball Material	: Teflon, SS304, SS316
Valve Seat Material	: PP, PVDF, SS304, SS316
Center Block Material	: PP

*PP = Polypropylene; PVDF = Polyvinylidene Fluoride; AL = Aluminum

Performance Curve





MA15

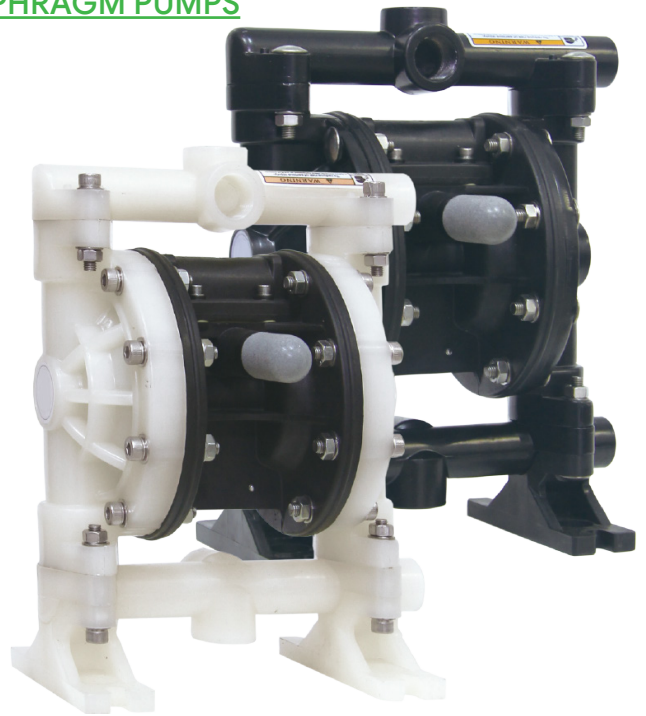
AIR OPERATED DOUBLE DIAPHRAGM PUMPS

Typical Applications

- Waste Water Transfer
- Filter Press
- Circulating Ceramic Slurry
- Transferring, Dispensing and Dosing Paint, Ink and Dyes
- Transferring Abrasive Slurries and Sludge Mixtures
- Transferring Fuels for Equipment
- Flush/Clean Paint Lines with Solvents

Specification

Suction & Discharge Size	: 1/2" × 1/2" [End] 3/4" × 3/4" [Center]
Porting Location	: End [AL, SS, Plastic] Center [AL, SS, Plastic]
Connection Types	: FBSP/FNPT
Air Inlet Size	: 3/8"
Max. Flow Rate	: 57 lpm
Max. Head	: 84 m
Max. Air Inlet Pressure	: 8.4 bar
Max. Particle Size	: 2.5 mm
Suction Lift	: 4 mwc [Dry], 7.6 mwc [Wet]



*Shown in Polypropylene (PP) and Aluminum (AL)

Weight

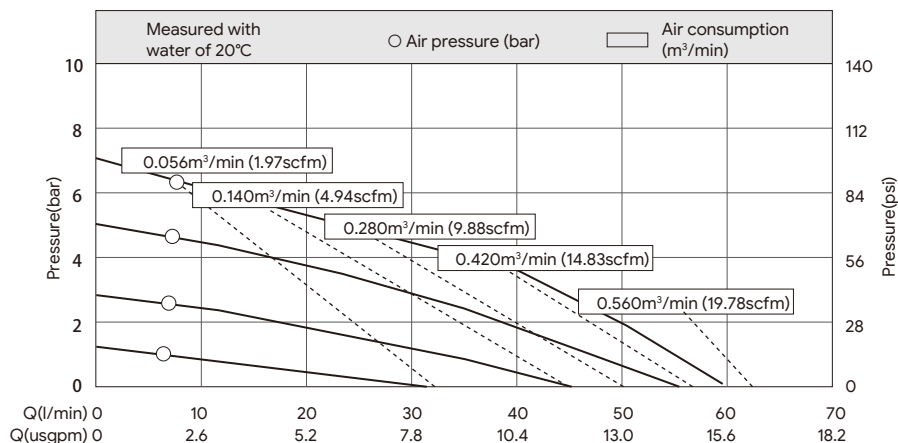
PP/POM Pump	: 3.5 kg
PVDF Pump	: 4.5 kg
AL Pump	: 4.5 kg
SS304/SS316 Pump	: 7.5 kg

Material of Construction

Housing Material	: PP, PVDF, POM, AL, SS304, SS316
Diaphragm Material	: Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N
Valve Ball Material	: Teflon, SS304, SS316, Santoprene
Valve Seat Material	: PP, PVDF, POM, SS304, SS316
Center Block Material	: PP

*PP = Polypropylene; PVDF = Polyvinylidene Fluoride; POM = Polyoxymethylene; AL = Aluminum

Performance Curve





MAGGIO

MA25

AIR OPERATED DOUBLE DIAPHRAGM PUMPS

Typical Applications

- Waste Water Transfer
- Filter Press
- Circulating Ceramic Slurry
- Transferring, Dispensing and Dosing Paint, Ink and Dyes
- Transferring Abrasive Slurries and Sludge Mixtures
- Transferring Fuels for Equipment
- Flush/Clean Paint Lines with Solvents



*Shown in Aluminum (AL) and Polypropylene (PP)

Specification

Suction & Discharge Size	: 1" × 1"
Porting Location	: End [SS] Center [AL, SS, Plastic]
Connection Types	: FBSP/FNPT [AL,SS] DIN/ANSI Flange [Plastic]
Air Inlet Size	: 1/2"
Max. Flow Rate	: 157 lpm
Max. Head	: 84 m
Max. Air Inlet Pressure	: 8.4 bar
Max. Particle Size	: 4 mm
Suction Lift	: 4 mwc [Dry], 8 mwc [Wet]

Weight

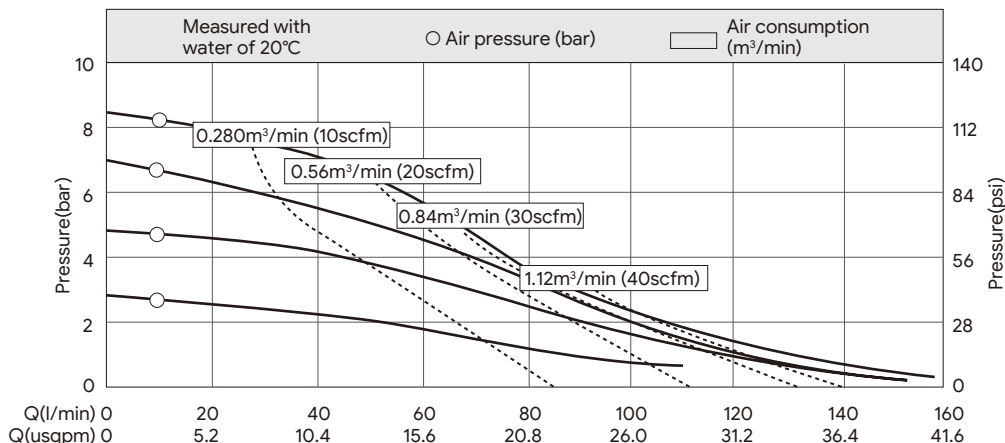
PP/POM Pump	: 9 kg
PVDF Pump	: 12 kg
AL Pump	: 10 kg
SS304/SS316 Pump	: 16 kg

Material of Construction

Housing Material	: PP, PVDF, POM, AL, SS304, SS316
Diaphragm Material	: Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N
Valve Ball Material	: Teflon, SS304, SS316, Santoprene, Hytrel, Viton, Ceramic
Valve Seat Material	: Santoprene, Hytrel, Teflon, Viton, PP, SS304, SS316
Center Block Material	: PP, AL

*PP = Polypropylene; PVDF = Polyvinylidene Fluoride; POM = Polyoxymethylene; AL = Aluminum

Performance Curve





MAGGIO

MA40

AIR OPERATED DOUBLE DIAPHRAGM PUMPS

Typical Applications

- Waste Water Transfer
- Filter Press
- Circulating Ceramic Slurry
- Transferring, Dispensing and Dosing Paint, Ink and Dyes
- Transferring Abrasive Slurries and Sludge Mixtures
- Transferring Fuels for Equipment
- Flush/Clean Paint Lines with Solvents

Specification

Suction & Discharge Size	: 1½" × 1½"
Porting Location	: End [SS] Center [AL, SS, Plastic]
Connection Types	: FBSP/FNPT [AL,SS] DIN/ANSI Flange [Plastic]
Air Inlet Size	: 1/2"
Max. Flow Rate	: 358 lpm
Max. Head	: 84 m
Max. Air Inlet Pressure	: 8.4 bar
Max. Particle Size	: 5 mm
Suction Lift	: 5 mwc [Dry], 8 mwc [Wet]



*Shown in Aluminum (AL) and Polypropylene (PP)

Weight

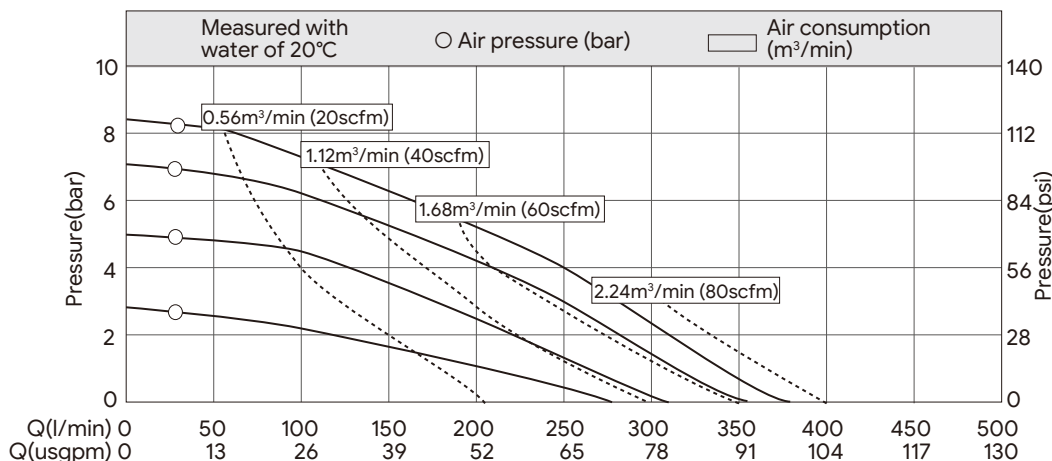
PP Pump	: 17 kg
PVDF Pump	: 24 kg
AL Pump	: 20 kg
SS304/SS316 Pump	: 31 kg

Material of Construction

Housing Material	: PP, PVDF, AL, SS304, SS316
Diaphragm Material	: Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N
Valve Ball Material	: Teflon, SS304, SS316, Santoprene, Hytrel, Viton, Ceramic
Valve Seat Material	: Santoprene, Hytrel, Teflon, Viton, PP, SS304, SS316
Center Block Material	: PP, AL

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Performance Curve





MAGGIO

MA50

AIR OPERATED DOUBLE DIAPHRAGM PUMPS

Typical Applications

- Waste Water Transfer
- Filter Press
- Circulating Ceramic Slurry
- Transferring, Dispensing and Dosing Paint, Ink and Dyes
- Transferring Abrasive Slurries and Sludge Mixtures
- Transferring Fuels for Equipment
- Flush/Clean Paint Lines with Solvents



*Shown in Polypropylene (PP) and Aluminum (AL)

Specification

Suction & Discharge Size	: 2" × 2"
Porting Location	: End [SS] Center [AL, SS, Plastic]
Connection Types	: FBSP/FNPT [AL,SS] DIN/ANSI Flange [Plastic]
Air Inlet Size	: 1/2"
Max. Flow Rate	: 587 lpm
Max. Head	: 84 m
Max. Air Inlet Pressure	: 8.4 bar
Max. Particle Size	: 6 mm
Suction Lift	: 5 mwc [Dry], 8 mwc [Wet]

Weight

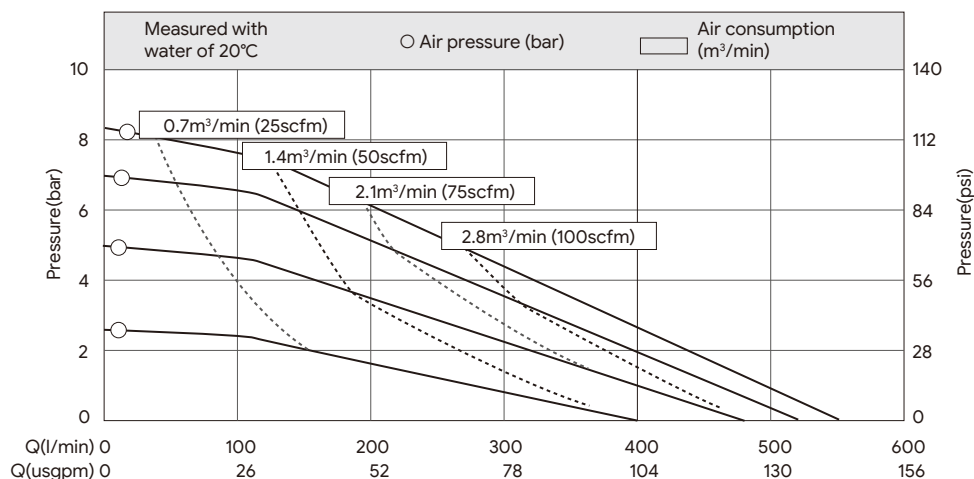
PP Pump	: 25 kg
PVDF Pump	: 34 kg
AL Pump	: 27 kg
SS304/SS316 Pump	: 48 kg

Material of Construction

Housing Material	: PP, PVDF, AL, SS304, SS316
Diaphragm Material	: Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N
Valve Ball Material	: Teflon, SS304, SS316, Santoprene, Hytrel, Viton, Ceramic
Valve Seat Material	: Santoprene, Hytrel, Teflon, Viton, PP, SS304, SS316
Center Block Material	: PP, AL

*PP = Polypropylene; PVDF = Polyvinylidene Fluoride; AL = Aluminum

Performance Curve





MAGGIO

MA80

AIR OPERATED DOUBLE DIAPHRAGM PUMPS

Typical Applications

- Waste Water Transfer
- Filter Press
- Circulating Ceramic Slurry
- Transferring, Dispensing and Dosing Paint, Ink and Dyes
- Transferring Abrasive Slurries and Sludge Mixtures
- Transferring Fuels for Equipment
- Flush/Clean Paint Lines with Solvents



*Shown in Polypropylene (PP) and Aluminum (AL)

Specification

Suction & Discharge Size	: 3" × 3"
Porting Location	: End [AL, SS, Plastic]
Connection Types	: FBSP/FNPT [AL,SS] DIN/ANSI Flange [Plastic]
Air Inlet Size	: 3/4"
Max. Flow Rate	: 1060 lpm
Max. Head	: 84 m
Max. Air Inlet Pressure	: 8.4 bar
Max. Particle Size	: 9.4 mm
Suction Lift	: 5 mwc [Dry], 8 mwc [Wet]

Weight

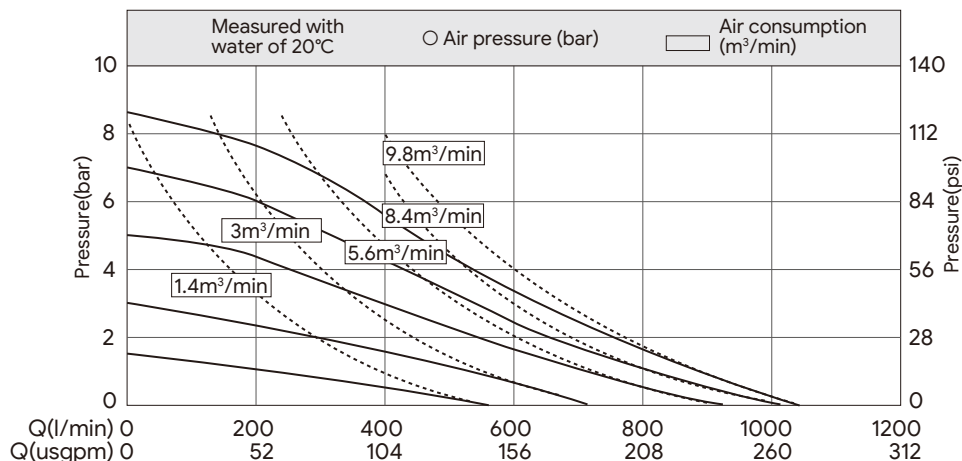
PP Pump	: 50 kg
PVDF Pump	: 90 kg
AL Pump	: 50 kg
SS304/SS316 Pump	: 105 kg

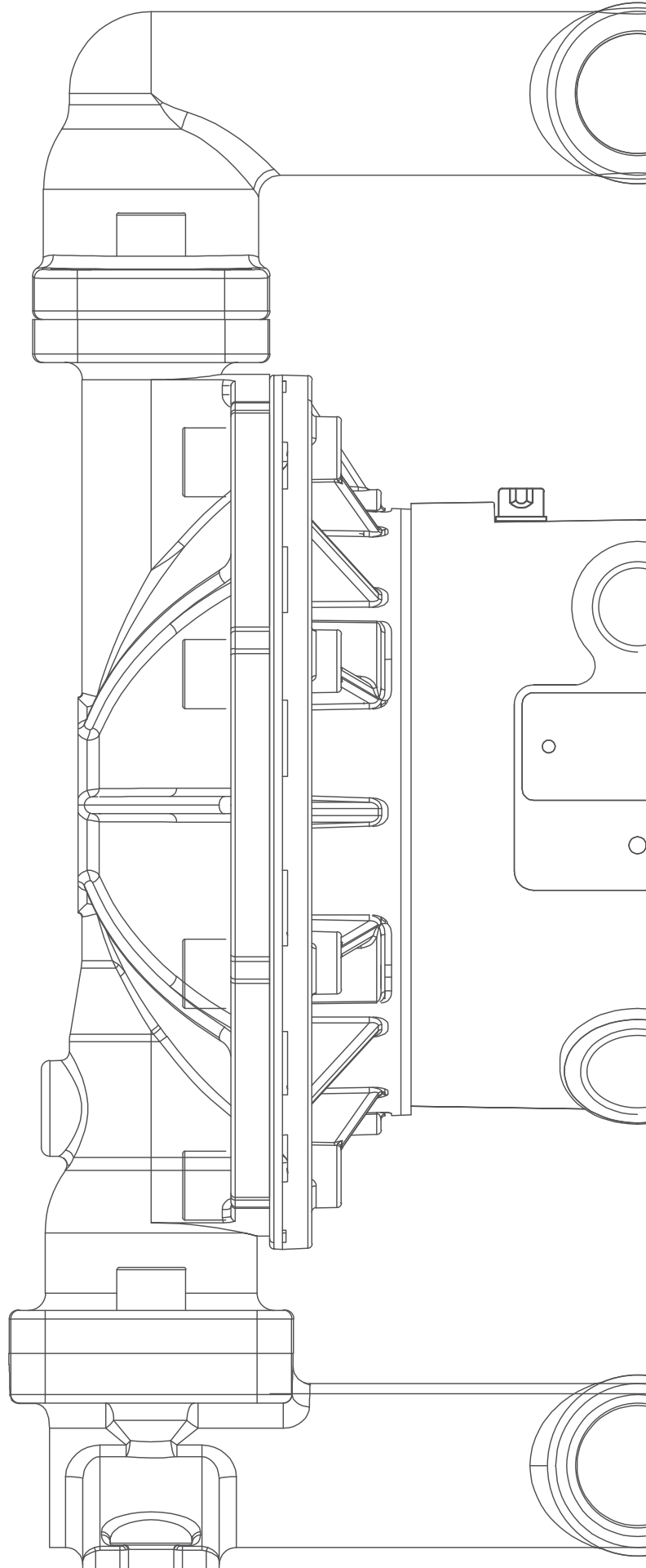
Material of Construction

Housing Material	: PP, PVDF, AL, SS304, SS316
Diaphragm Material	: Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N
Valve Ball Material	: Teflon, SS304, SS316, Santoprene, Hytrel, Viton, Ceramic
Valve Seat Material	: Santoprene, Hytrel, Teflon, Viton, PP, SS304, SS316
Center Block Material	: PP, AL

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