

GLOBAL SERIES

GLOBAL SERIES
Air-Operated Double Diaphragm Pumps



G15 Aluminum



G15 Polypropylene



G15 Stainless Steel



G15 Kynar



G25 Aluminum



Step Spool

G15 / G25 GLOBAL SERIES

G15 Global Series 1/2" AODD pumps provide a maximum flow rate of 62 l/min and are available in Aluminum, Stainless Steel (316), Pure Polypropylene and Kynar.

G25 Global Series 1" AODD pumps provide a maximum flow rate of 150 l/min and are available in Aluminum.

We also offer a wide selection of diaphragm materials.

The various combinations of pump housing and diaphragm materials allow to cover a wide range of applications.

Yamada Global Series pumps do not have an independent pilot valve system (less parts) and consume less air versus the competition.

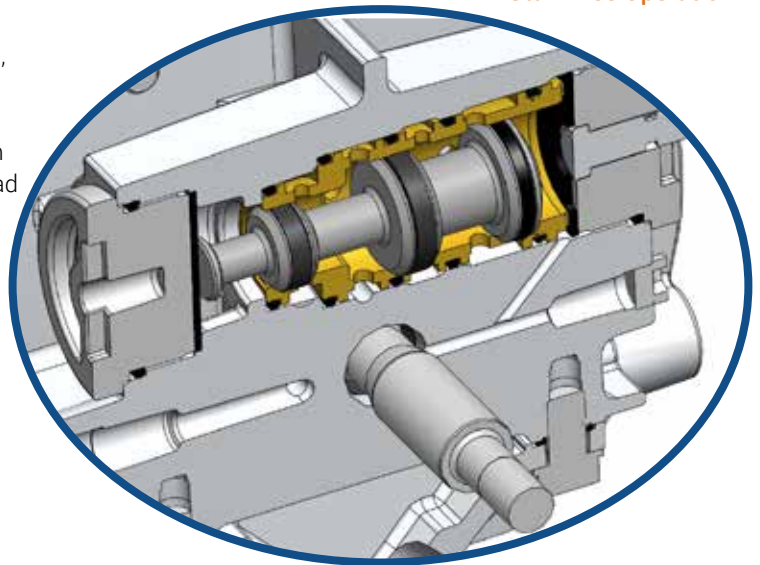
The new G-series pumps utilize our new step spool (S-Spool), which provides stall-free operation.

Available with multiport options, these AODD pumps perform extremely well in continuous stop/start operations (dead-head applications) and provide exceptional suction lift.

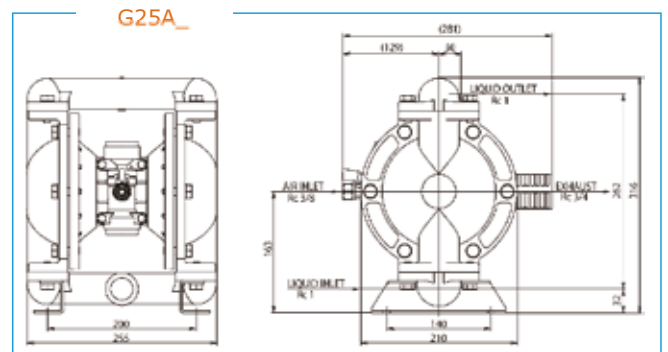
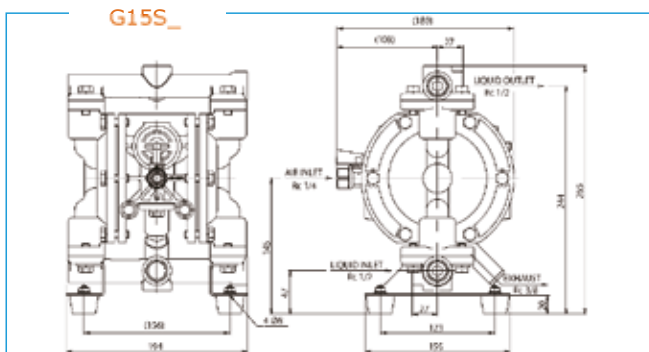
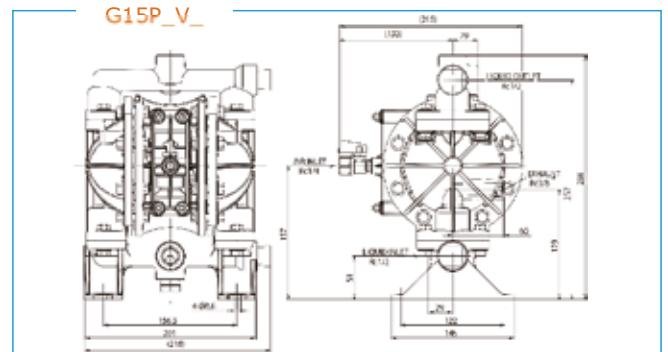
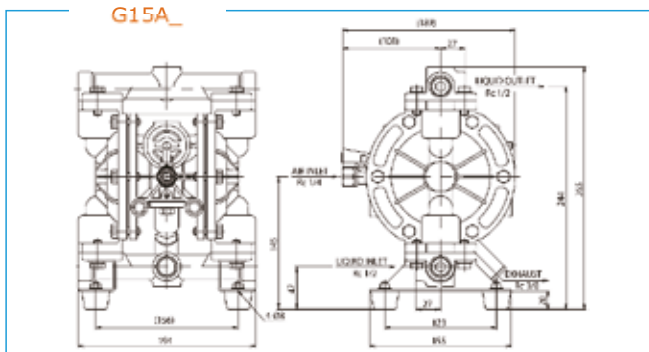
The G-series pumps have fewer removable parts, which makes the maintenance and repair quick, easy and cost-effective.

Soon coming:
 G25 stainless steel and polypropylene
 G50 aluminum

Stall-Free Operation



Dimensional Drawings



G15 GLOBAL SERIES

Maximum Capacity 62 l/min
Port Size 1/2" (15 mm)

GLOBAL SERIES
Air-Operated Double Diaphragm Pumps



G15 Aluminum

Dimensions: 195 mm W x 265 mm H
Net Wt.: 5,4 kg
Shipping Wt.: 6,4 kg

G15 Polypropylene

Dimensions:
218 mm W x 286 mm H
Net Wt.: 2,6 kg
Shipping Wt.: 3,6 kg



G15 Stainless Steel

Dimensions:
195 mm W x 265 mm H
Net Wt.: 8,2 kg
Shipping Wt.: 9,3 kg



G15 Kynar

Dimensions:
218 mm W x 286 mm H
Net Wt.: 3,5 kg
Shipping Wt.: 4,6 kg



G15 GLOBAL SERIES SPECIFICATIONS

Port Dimensions

Intake & discharge connection:	1/2" Female Rc
Air inlet (incl. ball valve):	1/4" Female Rc
Air exhaust (incl. silencer):	3/8" Female Rc

Air Supply Pressure (All Models)

2 – 7 Bar

Discharge Volume Per Cycle

Rubber diaphragm: 170 cc
PTFE diaphragm: 158 cc

Maximum Cycles Per Minute

Rubber diaphragm: 350
PTFE diaphragm: 364

Maximum Size Solid

1 mm (1/32")

Maximum Dry Suction Lift

Rubber-fitted pump capability: up to 4,5 m
PTFE-fitted pump capability: up to 3,5 m

Air Motor

Aluminum air motor standard

Maximum Liquid Temperature*

Diaphragm material:	Temperature:
Buna N / Santoprene® (TPO)	82°C
PTFE	100°C

* The maximum liquid temperature for metal pumps is determined by the elastomer (diaphragm material).

The G15 series metal pumps are perfect for spraying and dispensing applications, particularly when on and off cycling reliability is critical. Utilizing our new Step Stool (S-spool), the G15 uses up to 30% less air than the competition. Maintenance friendly with fewer parts.

Model Number Nomenclature



Series:
G15 pump

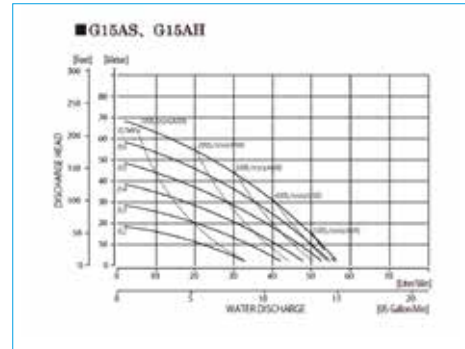
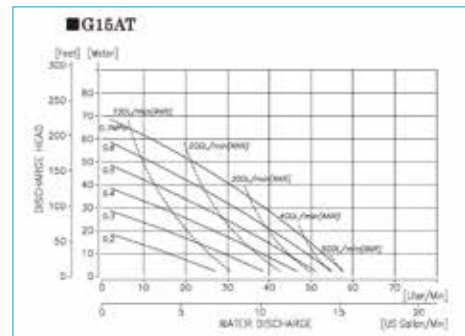
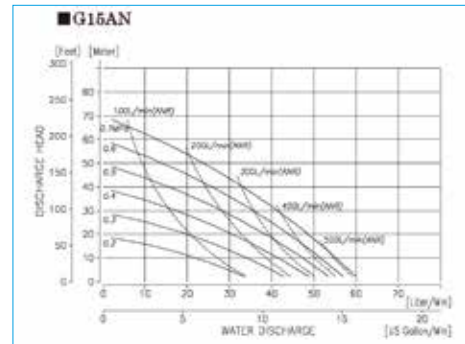
Body Material:
P = Polypropylene
V = Kynar® (PVDF)
A = Aluminum
S = Stainless Steel

Diaphragm Material:
N = Buna N (NBR)
S = Santoprene® (TPO)
T = Teflon® (PTFE)
H = Hytrel® (TPEE)

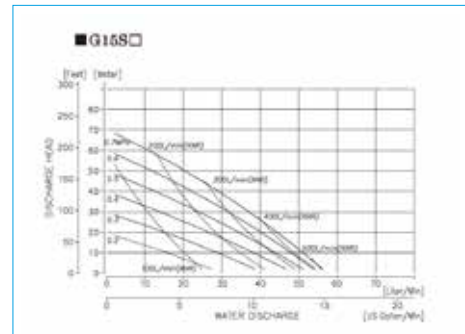
Note:

G serie always includes ball valves
Santoprene® fitted pumps include EPDM wetted o-rings.
Hytrel® fitted pumps include NBR o-rings

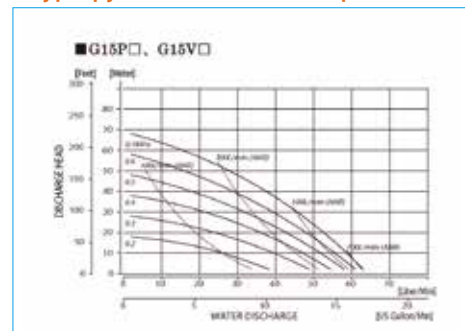
Aluminum Pump Performance Curve



Stainless Steel Pump Performance Curve



Polypropylene and PVDF Pump Performance Curve



G25 GLOBAL SERIES

Maximum Capacity 150 l/min
Port Size 1" (25 mm)

GLOBAL SERIES
Air-Operated Double Diaphragm Pumps



G25 Aluminum

Dimensions: 255 mm W x 316 mm H

Net Wt.: 9,2 kg

Shipping Wt.: 10,2 kg

G25 GLOBAL SERIES SPECIFICATIONS

Port Dimensions

Intake & discharge connection:

Aluminum (ADC-12)	1" Female Rc
Air inlet (incl. ball valve):	3/8" Female Rc
Air exhaust (incl. silencer):	3/4" Female Rc

Air Supply Pressure (All Models)

2 – 7 Bar

Discharge Volume Per Cycle

Rubber diaphragm: 598 cc

PTFE diaphragm: 446 cc

Maximum Cycles Per Minute

Rubber diaphragm: 253

PTFE diaphragm: 297

Maximum Size Solid

3 mm (1/8")

Maximum Dry Suction Lift

Rubber-fitted pump capability: up to 4,5 m

PTFE-fitted pump capability: up to 3,5 m

Air Motor

Aluminum air motor standard on metal pumps

Valve Type

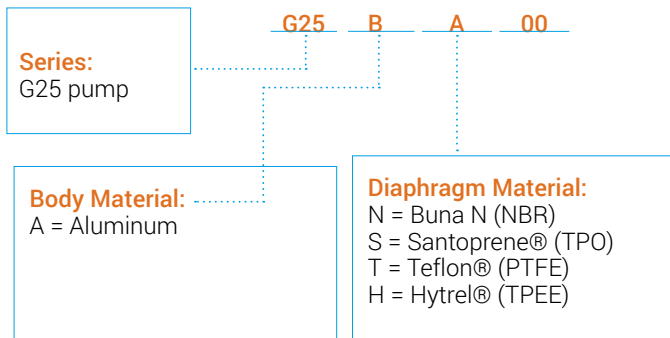
Ball

Maximum Liquid Temperature*

Diaphragm material:	Temperature:
Buna N	82°C
Hytrel® (TPEE)	120°C
Santoprene® (TPO)	100°C
PTFE	100°C

* The maximum liquid temperature for metal pumps is determined by the elastomer (diaphragm material).

Model Number Nomenclature



Note:

G serie always includes ball valves

Santoprene® fitted pumps include EPDM wetted o-rings.

Hytrel® fitted pumps include NBR o-rings

Performance Curve

