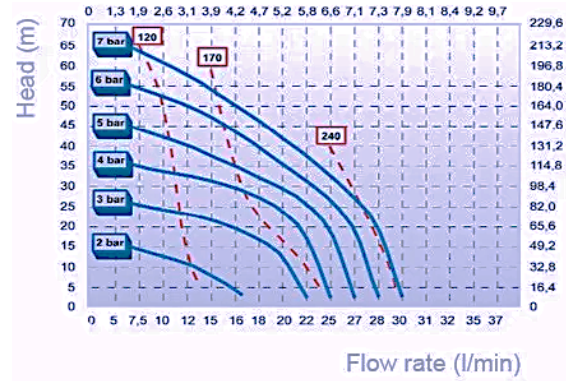




**FDA Compliant Diaphragm Pumps Series JP-800 And JP-810**   

In addition to the standard JP-800 JP-810 series diaphragm pumps, Jessberger also offer special FDA compliant versions for the food industry.  
 JP-800 and JP-810 Food series is made of electro-polished stainless steel that allow the pumps not only for use in food industry, but able to cover many other tasks in pharmaceutical, cosmetic and other industries.  
 The pumps are offer in standard explosion proof class II 3/3 GD C II B T135°C (EX ZONE 2) and is also available in conductive version explosion proof class II 2/2 GD C II B T135°C (EX ZONE 1)

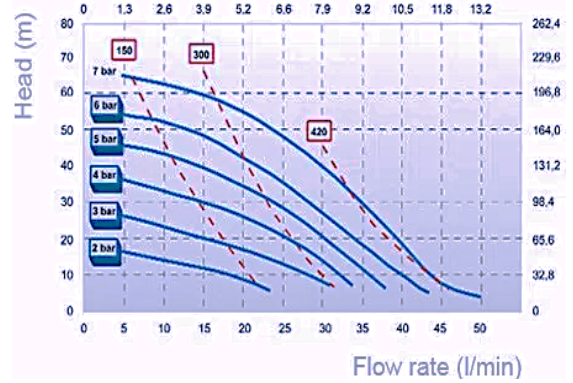
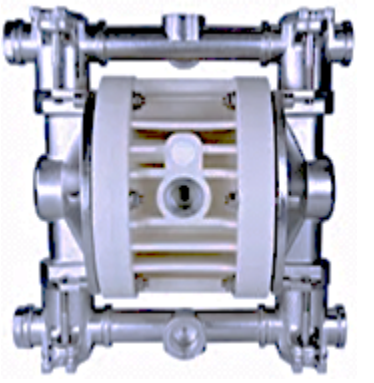
**FDA Compliant Diaphragm Pumps Series JP-800**   



**Diaphragm Pump Model JP-800.30 FOOD**

**Technical Data**

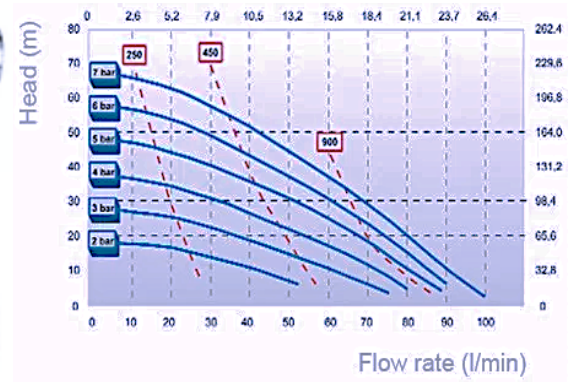
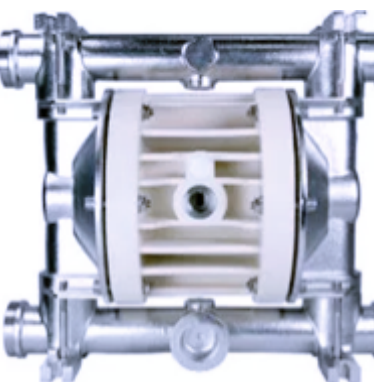
Delivery / Suction connection:	G ½"
Air connection:	G ¼"
Maximum dry suction lift:	6 mt.
Maximum flow rate:	30 L/minute
Maximum head:	70 mts.
Maximum air supply pressure:	7 bar
Solids:	Ø 2 mm
Dimension:	177 x 170 x 120 mm
Construction material:	Stainless steel / electro-polished
Pulsation dampener model (Optional)	EQUAFLUX 51 FOOD



**Diaphragm Pump Model JP-800.50 FOOD**

**Technical Data**

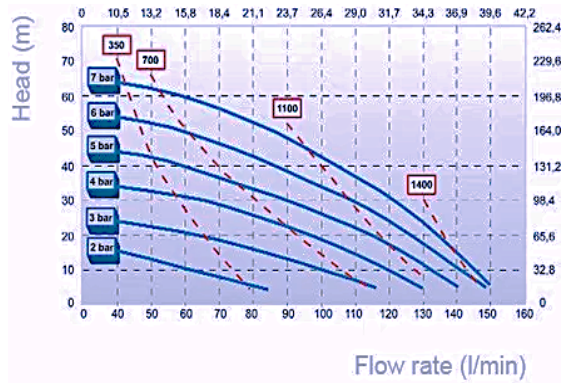
Delivery / Suction connection:	G ½"
Air connection:	G ¾"
Maximum dry suction lift:	5 mt.
Maximum flow rate:	50 L/minute
Maximum head:	70 mts.
Maximum air supply pressure:	7 bar
Solids:	Ø 4 mm
Dimension:	230 x 232 x 153 mm
Construction material:	Stainless steel / electro-polished
Pulsation dampener model (Optional)	EQUAFLUX 100 FOOD



**Diaphragm Pump Model JP-800.90 FOOD**

**Technical Data**

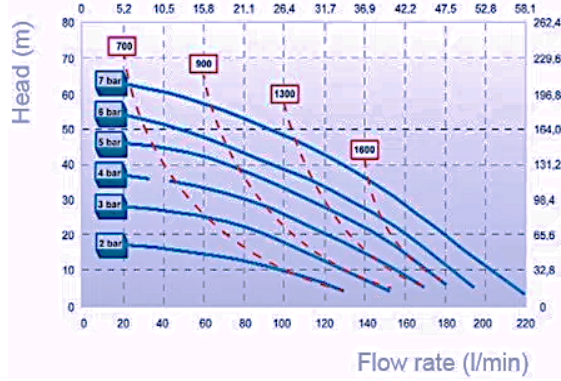
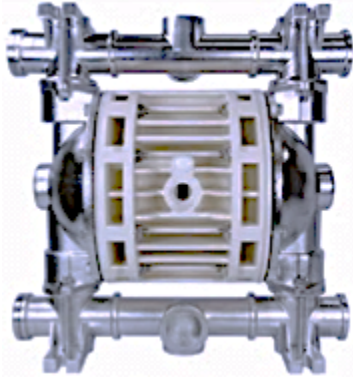
Delivery / Suction connection:	G 1"
Air connection:	G ¾"
Maximum dry suction lift:	6 mt.
Maximum flow rate:	100 L/minute
Maximum head:	70 mts.
Maximum air supply pressure:	7 bar
Solids:	Ø 4 mm
Dimension:	303 x 271 x 170 mm
Construction material:	Stainless steel / electro-polished
Pulsation dampener model (Optional)	EQUAFLUX 100 FOOD



### Diaphragm Pump Model JP-800.150 FOOD

#### Technical Data

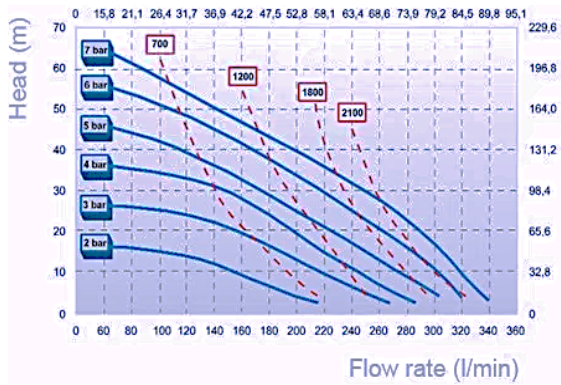
**Delivery / Suction connection:** G 1"  
**Air connection:** G 3/8"  
**Maximum dry suction lift:** 5 mt.  
**Maximum flow rate:** 150 L/minute  
**Maximum head:** 70 mts.  
**Maximum air supply pressure:** 7 bar  
**Solids:** Ø 4 mm  
**Dimension:** 307 x 326 x 202 mm  
**Construction material:** Stainless steel / electro-polished  
**Pulsation dampener (Optional):** EQUAFLUX 200 FOOD



### Diaphragm Pump Model JP-800.220 FOOD

#### Technical Data

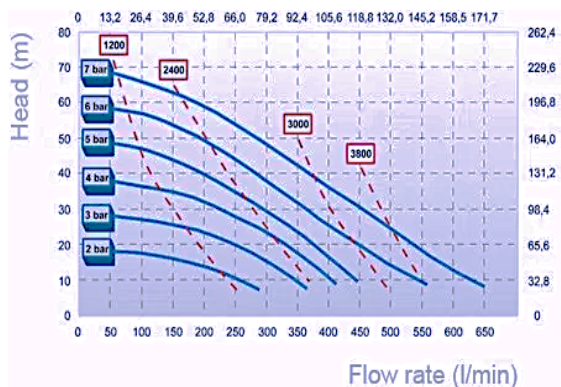
**Delivery / Suction connection:** G 1 1/2"  
**Air connection:** G 1/2"  
**Maximum dry suction lift:** 5 mt.  
**Maximum flow rate:** 220 L/minute  
**Maximum head:** 70 mts.  
**Maximum air supply pressure:** 7 bar  
**Solids:** Ø 5 mm  
**Dimension:** 388 x 390 x 220 mm  
**Construction material:** Stainless steel / electro-polished  
**Pulsation dampener (Optional):** EQUAFLUX 200 FOOD



### Diaphragm Pump Model JP-800.341 FOOD

#### Technical Data

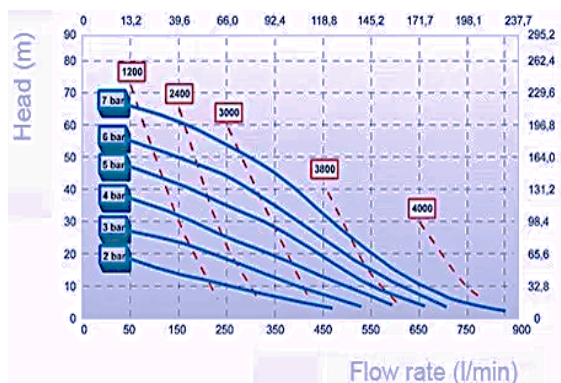
**Delivery / Suction connection:** G 1 1/2"  
**Air connection:** G 1/2"  
**Maximum dry suction lift:** 6 mt.  
**Maximum flow rate:** 340 L/minute  
**Maximum head:** 70 mts.  
**Maximum air supply pressure:** 7 bar  
**Solids:** Ø 6 mm  
**Dimension:** 417 x 535 x 254 mm  
**Construction material:** Stainless steel / electro-polished  
**Pulsation dampener (Optional):** EQUAFLUX 200 FOOD



### Diaphragm Pump Model JP-800.650 FOOD

#### Technical Data

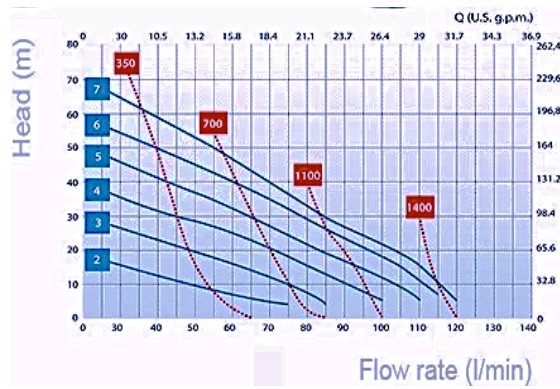
**Delivery / Suction connection:** G 2"  
**Air connection:** G 1/2"  
**Maximum dry suction lift:** 6 mt.  
**Maximum flow rate:** 650 L/minute  
**Maximum head:** 70 mts.  
**Maximum air supply pressure:** 7 bar  
**Solids:** Ø 8 mm  
**Dimension:** 470 x 705 x 404 mm  
**Construction material:** Stainless steel / electro-polished  
**Pulsation dampener (Optional):** EQUAFLUX 302 FOOD



### Diaphragm Pump Model JP-800.850 FOOD

#### Technical Data

**Delivery / Suction connection:** G 3"  
**Air connection:** G 3/4"  
**Maximum dry suction lift:** 5 mt.  
**Maximum flow rate:** 900 L/minute  
**Maximum head:** 70 mts.  
**Maximum air supply pressure:** 7 bar  
**Solids:** Ø 10 mm  
**Dimension:** 546 x 838 x 404 mm  
**Construction material:** Stainless steel / electro-polished



### Diaphragm Pump Model JP-800 SANI

JP-800 SANI air operated diaphragm pumps are especially used for pumping food materials with a viscosity from 1 to 15,000 cps at 20°C. All material that will get in contact with the medium are 3-A-conform and suitable for cleaning, CIP and sterilization. The surfaces are mechanically polished, roughness <math>< 0.8 \mu\text{m}</math>.

#### Technical Data

<b>Delivery / Suction connection:</b>	G 1½" clamp
<b>Air connection:</b>	G 3/8"
<b>Maximum dry suction lift:</b>	4 mt.
<b>Maximum flow rate:</b>	120 L/minute
<b>Maximum head:</b>	70 mts.
<b>Maximum air supply pressure:</b>	7 bar
<b>Solids:</b>	Ø 4 mm
<b>Dimension:</b>	405 x 618 x 417 mm
<b>Construction material:</b>	Stainless steel / electro-polished

Available with Trip-clamp or DIN connections on request.

## EQUAFLUX FOOD SERIES PULSATION DAMPENER

A diaphragm cannot produce a continuous flow rate like a centrifugal pump. If an exact delivery speed and quantity is required, a pulsation dampener is used. The following models can be used for the air operated JP-800 FOOD series diaphragm pump. The pulsation dampener are offer in standard explosion proof class II 3/3 GD C II B T135°C (EX ZONE 2) and is also available in conductive version explosion proof class II 2/2 GD C II B T135°C (EX ZONE 1)

#### Advantages of a pulsation dampener:

- High viscosity media have a continuous flow rate.
- The dampener relieves the pumps.
- The dosing system is much quieter.
- Pressure surges in the systems are damped or avoid.



#### MODEL EQUAFLUX 51 FOOD

<b>Material:</b>	Stainless steel
<b>Connection:</b>	G ½"
<b>Air connection:</b>	Ø 6 mm
<b>Maximum operating</b>	7 bar
<b>For pump model:</b>	JP-800.30 FOOD
<b>Weight:</b>	1.4 kg
<b>Dimension:</b>	133 x 117 mm
<b>Maximum operating temperature:</b>	95°C



#### MODEL EQUAFLUX 100 FOOD

<b>Material:</b>	Stainless steel
<b>Connection:</b>	G 1"
<b>Air connection:</b>	Ø 6 mm
<b>Maximum operating</b>	7 bar
<b>For pump model:</b>	JP-800.50 FOOD JP-800.90 FOOD
<b>Weight:</b>	2.2 kg
<b>Dimension:</b>	183.2 x 151 mm
<b>Maximum operating temperature:</b>	95°C



#### MODEL EQUAFLUX 200 FOOD

<b>Material:</b>	Stainless steel
<b>Connection:</b>	G 1½"
<b>Air connection:</b>	Ø 6 mm
<b>Maximum operating</b>	7 bar
<b>For pump model:</b>	JP-800.150 FOOD JP-800.220 FOOD JP-800.340 FOOD
<b>Weight:</b>	6.5 kg
<b>Dimension:</b>	264.7 x 254 mm
<b>Maximum operating temperature:</b>	95°C



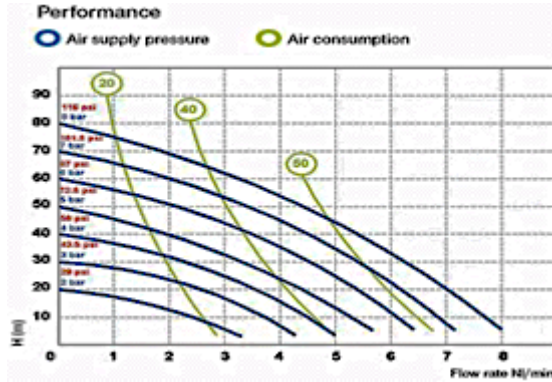
#### MODEL EQUAFLUX 302 FOOD

<b>Material:</b>	Stainless steel
<b>Connection:</b>	G 2"
<b>Air connection:</b>	Ø 8 mm
<b>Maximum operating</b>	7 bar
<b>For pump model:</b>	JP-800.650 FOOD
<b>Weight:</b>	32 kg
<b>Dimension:</b>	356 x 352 mm
<b>Maximum operating temperature:</b>	95°C

# FDA Compliant Diaphragm Pumps Series JP-810



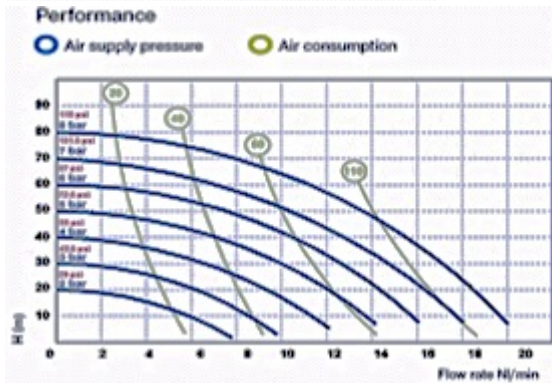
Made in Germany



## Diaphragm Pump Model JP-810.8 FOOD

### Technical Data

Fluid connections: 1/4" BSP  
 Air connections: 4 mm  
 Maximum flow rate: 8 L/minute  
 Air pressure: 8 bar  
 Viscosity (maximum): 6,000 mPas  
 Dimension: 129 x 112 x 68 mm  
 Construction material: Food grade PP



## Diaphragm Pump Model JP-810.20 FOOD

### Technical Data

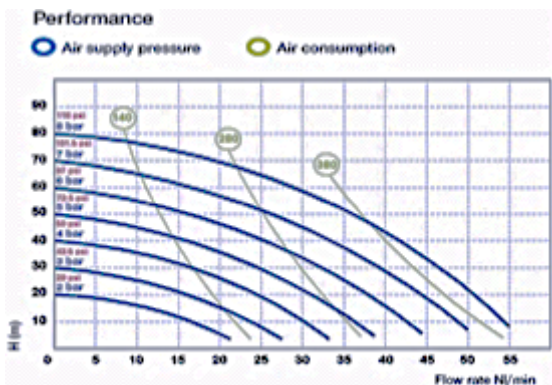
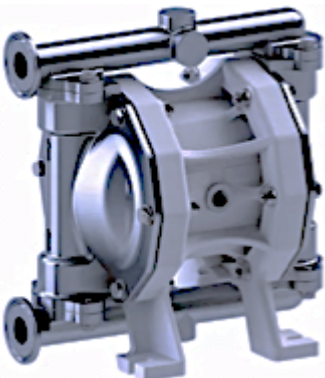
Fluid connections: Tri-Clamp 1/2"  
 Air connections: 6 mm  
 Maximum flow rate: 20 L/minute  
 Air pressure: 8 bar  
 Viscosity (maximum): 12,000 mPas  
 Dimension: 148 x 153 x 92 mm  
 Construction material: Stainless steel / electro-polished



## Diaphragm Pump Model JP-810.35 FOOD

### Technical Data

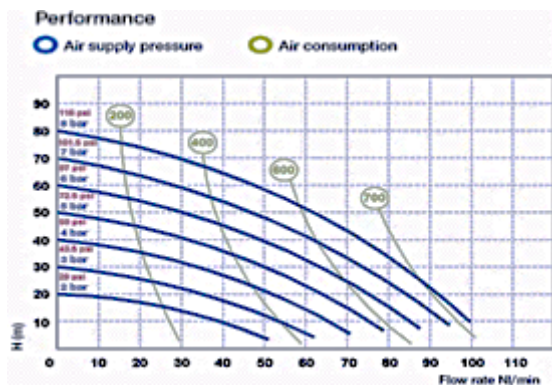
Fluid connections: Tri-Clamp 1"  
 Air connections: 6 mm  
 Maximum flow rate: 35 L/minute  
 Air pressure: 8 bar  
 Viscosity (maximum): 15,000 mPas  
 Dimension: 184 x 203 x 104 mm  
 Construction material: Stainless steel / electro-polished



## Diaphragm Pump Model JP-810.55 FOOD

### Technical Data

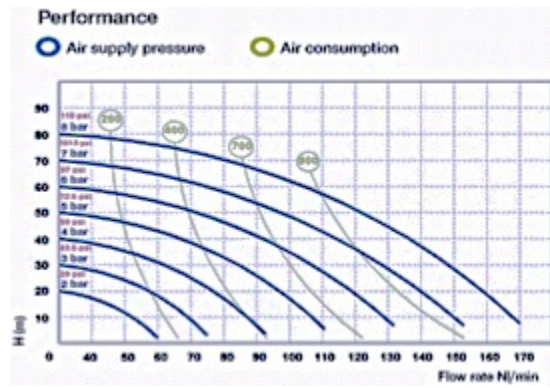
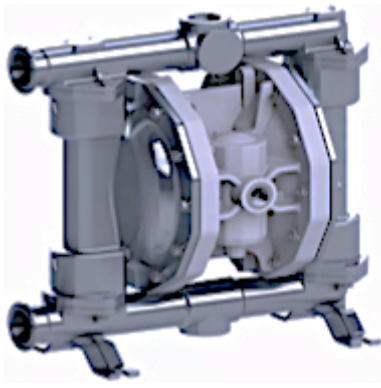
Fluid connections: Tri-Clamp 1"  
 Air connections: 1/4" BSP  
 Maximum flow rate: 55 L/minute  
 Air pressure: 8 bar  
 Viscosity (maximum): 20,000 mPas  
 Dimension: 228 x 234 x 156 mm  
 Construction material: Stainless steel / electro-polished



## Diaphragm Pump Model JP-810.111 FOOD

### Technical Data

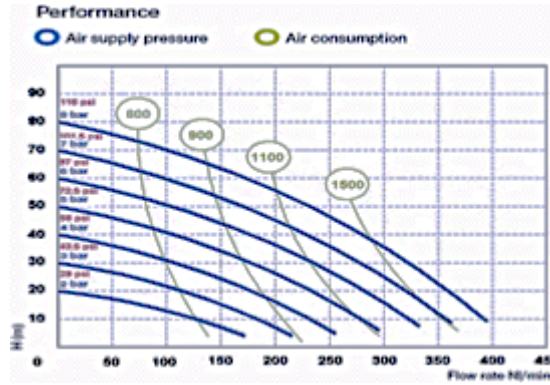
Fluid connections: Tri-Clamp 1"  
 Air connections: 3/8" BSP  
 Maximum flow rate: 110 L/minute  
 Air pressure: 8 bar  
 Viscosity (maximum): 25,000 mPas  
 Dimension: 250 x 250 x 175 mm  
 Construction material: Stainless steel / electro-polished



**Diaphragm Pump Model JP-810.170 FOOD**

**Technical Data**

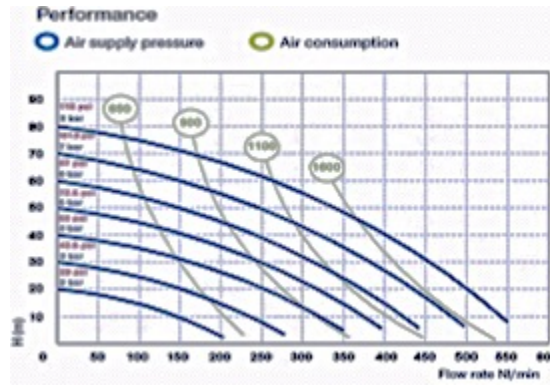
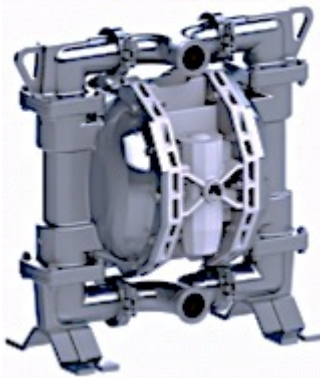
Fluid connections: Tri-Clamp 1½"  
 Air connections: ½" BSP  
 Maximum flow rate: 170 L/minute  
 Air pressure: 8 bar  
 Viscosity (maximum): 35,000 mPas  
 Dimension: 360 x 346 x 222 mm  
 Construction material: Stainless steel / electro-polished



**Diaphragm Pump Model JP-810.400 FOOD**

**Technical Data**

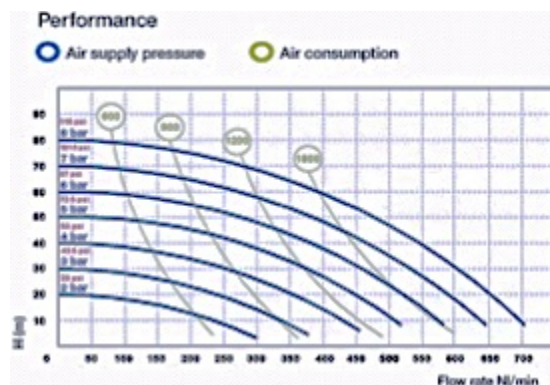
Fluid connections: Tri-Clamp 2"  
 Air connections: ¾" BSP  
 Maximum flow rate: 400 L/minute  
 Air pressure: 8 bar  
 Viscosity (maximum): 40,000 mPas  
 Dimension: 361 x 501 x 260 mm  
 Construction material: Stainless steel / electro-polished



**Diaphragm Pump Model JP-810.550 FOOD**

**Technical Data**

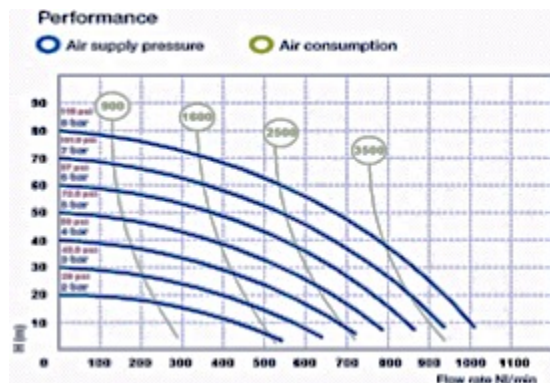
Fluid connections: Tri-Clamp 2"  
 Air connections: ¾" BSP  
 Maximum flow rate: 550 L/minute  
 Air pressure: 8 bar  
 Viscosity (maximum): 50,000 mPas  
 Dimension: 582 x 570 x 345 mm  
 Construction material: Stainless steel / electro-polished



**Diaphragm Pump Model JP-810.700 FOOD**

**Technical Data**

Fluid connections: Tri-Clamp 2½"  
 Air connections: ¾" BSP  
 Maximum flow rate: 700 L/minute  
 Air pressure: 8 bar  
 Viscosity (maximum): 50,000 mPas  
 Dimension: 487 x 598 x 345 mm  
 Construction material: Stainless steel / electro-polished



**Diaphragm Pump Model JP-810.1050 FOOD**

**Technical Data**

Fluid connections: Tri-Clamp 3"  
 Air connections: ¾" BSP  
 Maximum flow rate: 1,050 L/minute  
 Air pressure: 8 bar  
 Viscosity (maximum): 55,000 mPas  
 Dimension: 570 x 838 x 420 mm  
 Construction material: Stainless steel / electro-polished