







PHOENIX FOOD

Air operated double diaphragms pumps
 Realized in:
 SS AISI 316 electro-polished
 Flow-rate from 20lt/min to 1.000 lt/min
 Tri-Clamp Connection.
 ATEX certification

- Atex zone 2  II 3/3 G Ex h IIB T4 Gc
-  II -/3 D Ex h IIIB T135°C Dc X
- Atex zone I  II 2/2 G Ex h IIB T4 Gb
-  II -/2 D Ex h IIIB T135°C Db X



BTS
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PF 18

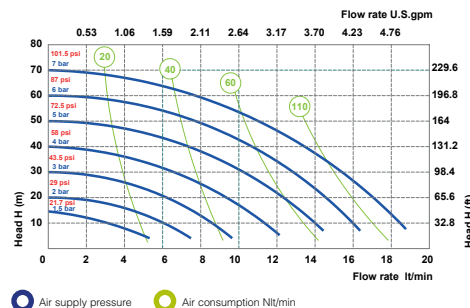
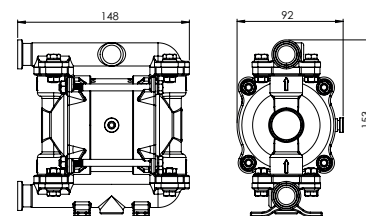


AISI 316 ELECTRO-POLISHED

- Fluid connections **3/4" TRI-CLAMP**
- Air connection **6 mm**
- Max. Flow rate **20 lt/min**
- Max air pressure **7 bar**
- Max delivery head **70 m**
- Max Suction Lift Dry **5 m**
- Max Suction Lift Wet **9,8 m**
- Max Solid passing **2,5 mm**
- Noise level: **65 dB**
- Max Viscosity: **10.000 cps**
- Displacement per Stroke: **30 CC ~**

ATEX ZONE 2 certification as Standard and, on request, **ATEX ZONE 1**.

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.



The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

| Net Weight | Temperature |
|------------|-------------|
| 2,3 Kg | -20°C +95°C |

| MODEL | CASING | DIAPHRAGM | BALLS | SEATS | GASKET | CONNECTIONS | ATEX | PORTS |
|--------|--------------------|------------------|--------------------|--------|----------|-------------------------------------|--------------------------|---------------|
| PF0018 | S = SS POLISHED | HT = HYTREL+PTFE | T = PTFE S = SS | S = SS | T = PTFE | 3 = TRI-CLAMP 1 = BSP 6 = DIN | - = zone 2 X = zone 1 | AB = STANDARD |

PF 30

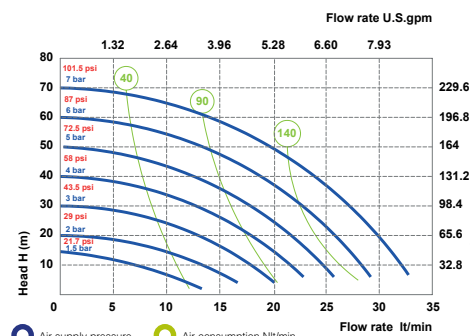
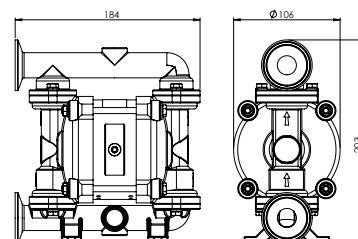


AISI 316 ELECTRO-POLISHED

- Fluid connections **1" TRI-CLAMP**
- Air connection **6 mm**
- Max. Flow rate **35 lt/min**
- Max air pressure **7 bar**
- Max delivery head **70 m**
- Max Suction Lift Dry **5 m**
- Max Suction Lift Wet **9,8 m**
- Max Solid passing **3 mm**
- Noise level: **65 dB**
- Max Viscosity: **15.000 cps**
- Displacement per Stroke: **65 CC ~**

ATEX ZONE 2 certification as Standard and, on request, **ATEX ZONE 1**.

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.



The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

| Net Weight | Temperature |
|------------|-------------|
| 3,8 Kg | -20°C +95°C |

| MODEL | CASING | DIAPHRAGM | BALLS | SEATS | GASKET | CONNECTIONS | ATEX | PORTS |
|--------|--------------------|------------------|--------------------|--------|----------|-------------------------------------|--------------------------|---------------|
| PF0030 | S = SS POLISHED | HT = HYTREL+PTFE | T = PTFE S = SS | S = SS | T = PTFE | 3 = TRI-CLAMP 1 = BSP 6 = DIN | - = zone 2 X = zone 1 | AB = STANDARD |

PF 60

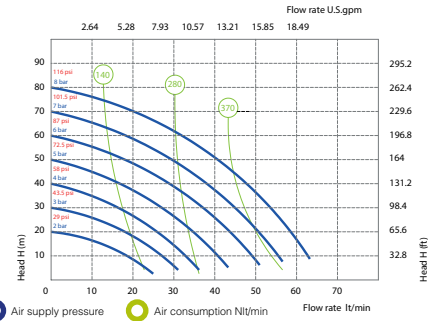
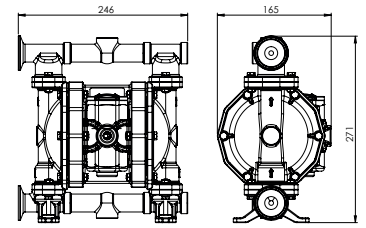


AISI 316 ELECTRO-POLISHED

- Fluid connections **1" TRI-CLAMP**
- Air connection **1/4" BSP**
- Max. Flow rate **65 lt/min**
- Max air pressure **8 bar**
- Max delivery head **80 m**
- Max Suction Lift Dry **5 m**
- Max Suction Lift Wet **9,8 m**
- Max Solid passing **3,5 mm**
- Noise level: **72 dB**
- Max Viscosity: **20.000 cps**
- Displacement per Stroke: **140 CC ~**

ATEX ZONE 2 certification as Standard and, on request, **ATEX ZONE 1**.

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.



The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

| Net Weight | Temperature |
|------------|-------------|
| 7,3 Kg | -20°C +95°C |

| MODEL | CASING | DIAPHRAGM | BALLS | SEATS | GASKET | CONNECTIONS | ATEX | PORTS |
|--------|--------------------|------------------|--------------------|--------|----------|-------------------------------------|--------------------------|---------------|
| PF0060 | S = SS POLISHED | HT = HYTREL+PTFE | T = PTFE S = SS | S = SS | T = PTFE | 3 = TRI-CLAMP 1 = BSP 6 = DIN | - = zone 2 X = zone 1 | AB = STANDARD |

PF 120

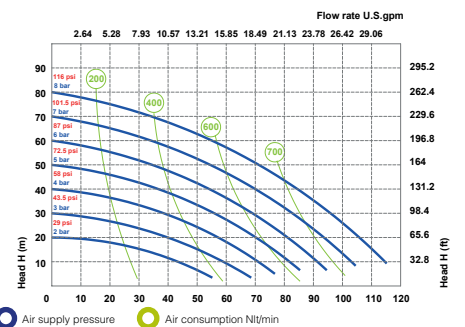
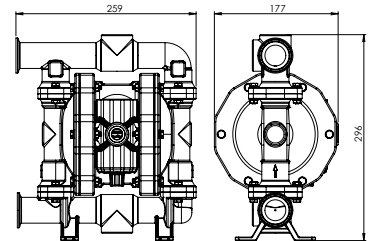


AISI 316 ELECTRO-POLISHED

- Fluid connections **1"1/2" TRI-CLAMP**
- Air connection **3/8" BSP**
- Max. Flow rate **120 lt/min**
- Max air pressure **8 bar**
- Max delivery head **80 m**
- Max Suction Lift Dry **5 m**
- Max Suction Lift Wet **9,8 m**
- Max Solid passing **4 mm**
- Noise level: **72 dB**
- Max Viscosity: **25.000 cps**
- Displacement per Stroke: **200 CC ~**

ATEX ZONE 2 certification as Standard and, on request, **ATEX ZONE 1**.

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.



The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

| Net Weight | Temperature |
|------------|-------------|
| 9,6 Kg | -20°C +95°C |

| MODEL | CASING | DIAPHRAGM | BALLS | SEATS | GASKET | CONNECTIONS | ATEX | PORTS |
|--------|--------------------|------------------|--------------------|--------|----------|-------------------------------------|--------------------------|---------------|
| PF0120 | S = SS POLISHED | HT = HYTREL+PTFE | T = PTFE S = SS | S = SS | T = PTFE | 3 = TRI-CLAMP 1 = BSP 6 = DIN | - = zone 2 X = zone 1 | AB = STANDARD |

PF 170

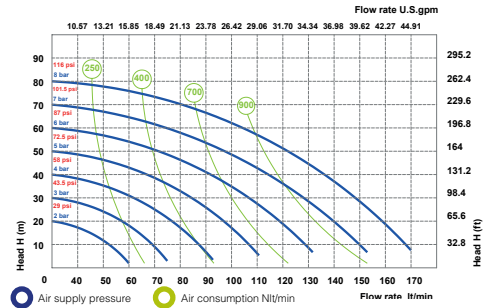
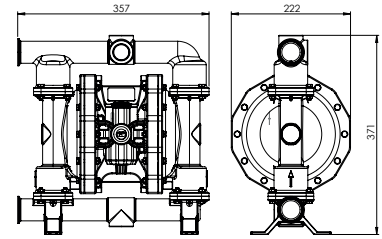


AISI 316 ELECTRO-POLISHED

- Fluid connections **1 1/2" TRI-CLAMP**
- Air connection **1/2" BSP**
- Max. Flow rate **170 lt/min**
- Max air pressure **8 bar**
- Max delivery head **80 m**
- Max Suction Lift Dry **5 m**
- Max Suction Lift Wet **9,8 m**
- Max Solid passing **7,5 mm**
- Noise level: **75 dB**
- Max Viscosity: **35.000 cps**
- Displacement per Stroke: **700 CC ~**

ATEX ZONE 2 certification as Standard and, on request, **ATEX ZONE 1**.

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.



The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

| Net Weight | Temperature |
|------------|-------------|
| 17,2 Kg | -20°C +95°C |

| MODEL | CASING | DIAPHRAGM | BALLS | SEATS | GASKET | CONNECTIONS | ATEX | PORTS |
|--------|--------------------|-----------------|--------------------|--------|----------|-------------------------------------|--------------------------|---------------|
| PF0170 | S = SS POLISHED | HT =HYTREL+PTFE | T = PTFE S = SS | S = SS | T = PTFE | 3 = TRI-CLAMP 1 = BSP 6 = DIN | - = zone 2 X = zone 1 | AB = STANDARD |

PHOENIX FOOD 400

TECHNICAL DATA

PERFORMANCE

PF 400

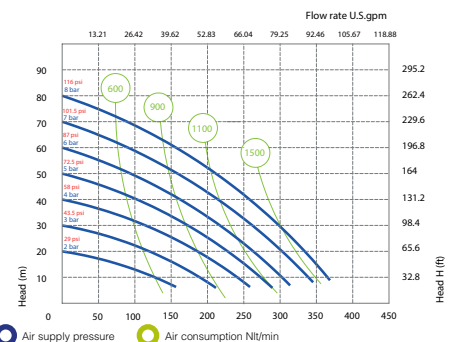
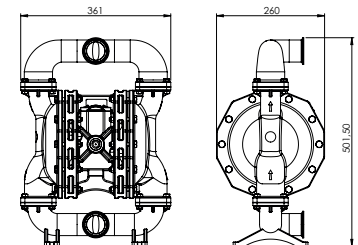


AISI 316 ELECTRO-POLISHED

- Fluid connections **2" TRI-CLAMP**
- Air connection **1/2" BSP**
- Max. Flow rate **380 lt/min**
- Max air pressure **8 bar**
- Max delivery head **80 m**
- Max Suction Lift Dry **5 m**
- Max Suction Lift Wet **9,8 m**
- Max Solid passing **8 mm**
- Noise level: **78 dB**
- Max Viscosity: **40.000 cps**
- Displacement per Stroke: **1200 CC ~**

ATEX ZONE 2 certification as Standard and, on request, **ATEX ZONE 1**.

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.



The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

| Net Weight | Temperature |
|------------|-------------|
| 25,3 Kg | -20°C +95°C |

| MODEL | CASING | DIAPHRAGM | BALLS | SEATS | GASKET | CONNECTIONS | ATEX | PORTS |
|--------|--------------------|------------------|--------------------|--------|----------|-------------------------------------|--------------------------|---------------|
| PF0400 | S = SS POLISHED | HT = HYTREL+PTFE | T = PTFE S = SS | S = SS | T = PTFE | 3 = TRI-CLAMP 1 = BSP 6 = DIN | - = zone 2 X = zone 1 | EF = STANDARD |

PF 700

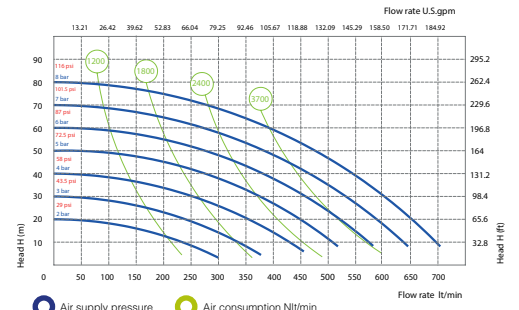
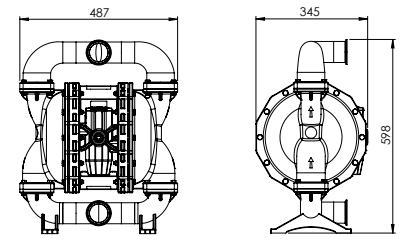


AISI 316 ELECTRO-POLISHED

- Fluid connections **2”1/2 TRI-CLAMP**
- Air connection **3/4” BSP**
- Max. Flow rate **700 lt/min**
- Max air pressure **8 bar**
- Max delivery head **80 m**
- Max Suction Lift Dry **5 m**
- Max Suction Lift Wet **9,8 m**
- Max Solid passing **8,5 mm**
- Noise level: **78 dB**
- Max Viscosity: **50.000 cps**
- Displacement per Stroke: **3050 CC ~**

ATEX ZONE 2 certification as Standard and, on request, **ATEX ZONE 1**.

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.



The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

| Net Weight | Temperature |
|------------|-------------|
| 51 Kg | -20°C +95°C |

| MODEL | CASING | DIAPHRAGM | BALLS | SEATS | GASKET | CONNECTIONS | ATEX | PORTS |
|--------|--------------------|------------------|--------------------|--------|----------|-------------------------------------|--------------------------|---------------|
| PF0700 | S = SS POLISHED | HT = HYTREL+PTFE | T = PTFE S = SS | S = SS | T = PTFE | 3 = TRI-CLAMP 1 = BSP 6 = DIN | - = zone 2 X = zone 1 | EF = STANDARD |

PF 1000

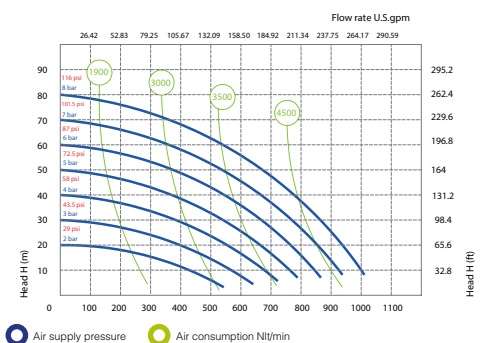
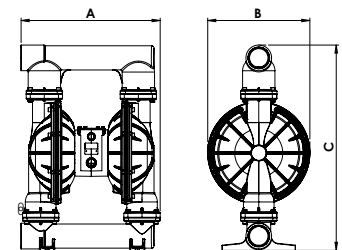


AISI 316 ELECTRO-POLISHED

- Fluid connections **3” BSP**
- Air connection **3/4” BSP**
- Max. Flow rate **1050 lt/min**
- Max air pressure **8 bar**
- Max delivery head **80 m**
- Max Suction Lift Dry **5 m**
- Max Suction Lift Wet **9,8 m**
- Max Solid passing **12 mm**
- Noise level: **82 dB**
- Max Viscosity: **55.000 cps**
- Displacement per Stroke: **9750 CC ~**

ATEX ZONE 2 certification as Standard and, on request, **ATEX ZONE 1**.

Displacement per stroke may vary based on suction condition, discharge head, air pressure and fluid type.



The curves and performance values refer to pumps with submerged suction and free delivery outlet, with water at 20°C. These data may vary according to the construction materials and hydraulic conditions.

| Net Weight | Temperature |
|------------|-------------|
| 111,5 Kg | -20°C +95°C |

| MODEL | CASING | DIAPHRAGM | BALLS | SEATS | GASKET | CONNECTIONS | ATEX | PORTS |
|--------|--------------------|------------------|--------------------|--------|----------|-------------------------------------|--------------------------|---------------|
| PF1000 | S = SS POLISHED | HT = HYTREL+PTFE | T = PTFE S = SS | S = SS | T = PTFE | 3 = TRI-CLAMP 1 = BSP 6 = DIN | - = zone 2 X = zone 1 | AB = STANDARD |