

PHOENIX, PHOENIX FOOD and DAMPER

Zone 2 certified, EX II 3/3 GD c IIB T135°C standard version, assembled with central part in PP, fluid body in PP, PVDF, ALUMINIUM and SS AISI 316

PHOENIX ATEX, PHOENIX FOOD ATEX DAMPER ATEX

Zone 1 certified, EX II 2/2 GD c IIB T135°C ATEX version, assemble with central part in PP+CF (conductive), fluid body in PP+CF (conductive), PVDF+CF(conductive), ALUMINIUM and SS AISI 316

ATEX SAFETY SYMBOLS

II 2/2 GD: Surface equipment for use in zones in which gases, vapours or mists and clouds of combustible dust in air occur occasionally in normal operation (EN 1127-1 subclause 6.3) in both the external and internal zone.

II 3/3 GD: Surface equipment for use in zones in which gases, vapours or mists and clouds of combustible dust in air are not likely to occur in normal operation or may occur rarely for a short period in both the external and internal zone.

c: Equipment protected by constructional safety (EN 13463-5).

IIB: Exclusion of the following products: Hydrogen, acetylene, carbon disulphide.

T 135°: Allowed temperature class. The user shall process fluids in accordance with the corresponding temperature classification, bearing in mind the manual instructions and the provisions of current legislation.

The user shall also consider the ignition temperatures of gases, vapours or mists and clouds of combustible dust in air in the area of use.



fluimac
pump solution

Phoenix ATEX
P7

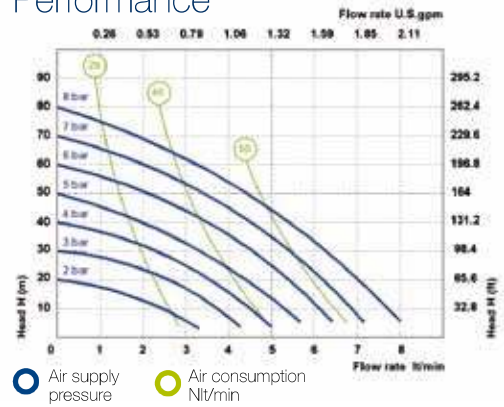



EX II 2/2 GD c IIB T 135°C

Technical data

Fluid connections:	1/4" BSP
Air connection:	4 mm
Max flow-rate:	8 lt/min
Max air pressure:	8 Bar
Max viscosity:	6.000 cps

Performance



The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20°C, and vary according to the construction material.

Composition

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
P0007	PC = PP+CF KC = PVDF+CF OC = POMc+CF	NT = NBR+PTFE	T = PTFE S = SS	P = PP K = PVDF O = POMc	D = EPDM V = VITON N = NBR T = PTFE	1 = BSP 5 = NPT	X = zone 1	AB = STANDARD



PP+CF



PVDF+CF



POMc+CF

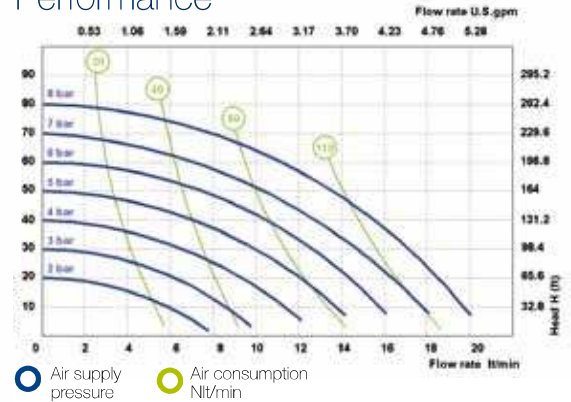


AISI 316

Technical data

Fluid connections: 3/8" BSP
Air connection: 6 mm
Max flow-rate: 20 lt/min
Max air pressure: 8 Bar
Max viscosity: 12.000 cps

Performance



The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20°C, and vary according to the construction material.

Composition

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
P0018	PC = PP+CF KC = PVDF+CF OC = POMc+CF S = SS	NT = NBR+PTFE	T = PTFE S = SS	P = PP K = PVDF O = POMc	D = EPDM V = VITON N = NBR T = PTFE	1 = BSP 5 = NPT	X = zone 1	AB = STANDARD



PP+CF



PVDF+CF



POMc+CF



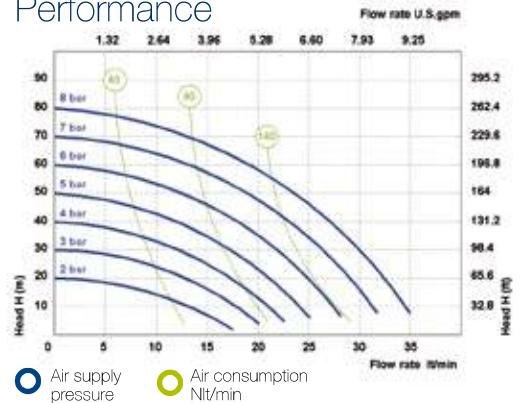
AISI 316

EX II 2/2 GD c IIB T 135°C

Technical data

Fluid connections: 1/2" BSP
Air connection: 6 mm
Max flow-rate: 35 lt/min
Max air pressure: 8 Bar
Max viscosity: 15.000 cps

Performance



The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20°C, and vary according to the construction material.

Composition

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
P0030	PC = PP+CF KC = PVDF+CF OC = POMc+CF S = SS	HT = HYTREL+PTFE MT = SANTOPRENE+PTFE H = HYTREL M = SANTOPRENE	T = PTFE S = SS D = EPDM N = NBR	P = PP KC = PVDF+CF O = POMc S = SS Z = PE-UHMWE	D = EPDM V = VITON N = NBR T = PTFE	1 = BSP 2 = FLANGED 5 = NPT	X = zone 1	AB = STANDARD



PP+CF



PVDF+CF



ALU

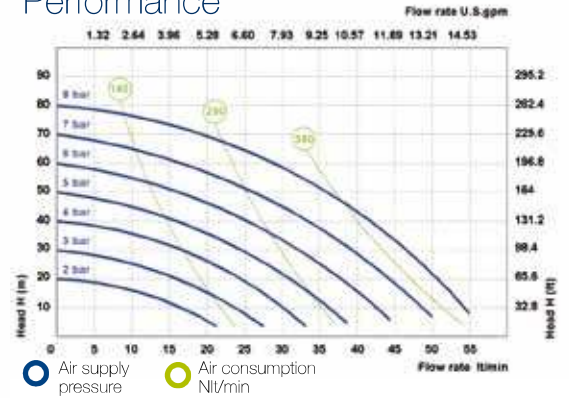


AISI 316

Technical data

Fluid connections: 1/2" BSP
Air connection: 1/4" BSP
Max flow-rate: 35 lt/min
Max air pressure: 8 Bar
Max viscosity: 20.000 cps

Performance



The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20°C, and vary according to the construction material.

Composition

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
P0050	PC = PP+CF KC = PVDF+CF OC = POMc+CF S = SS	HT = HYTREL+PTFE MT = SANTOPRENE+PTFE H = HYTREL M = SANTOPRENE	T = PTFE S = SS D = EPDM N = NBR	P = PP KC = PVDF+CF O = POMc S = SS Z = PE-UHMWE	D = EPDM V = VITON N = NBR T = PTFE	1 = BSP 2 = FLANGED 5 = NPT	X = zone 1	AB = STANDARD



PP+CF



PVDF+CF



ALU



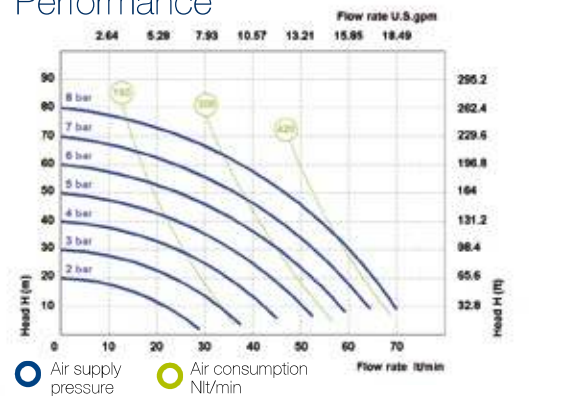
AISI 316

EX II 2/2 GD c IIB T 135°C

Technical data

Fluid connections: 1/2" BSP
Air connection: 3/8" BSP
Max flow-rate: 70 lt/min
Max air pressure: 8 Bar
Max viscosity: 25.000 cps

Performance



The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20°C, and vary according to the construction material.

Composition

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
P0065	PC = PP+CF KC = PVDF+CF A = ALU S = SS	HT = HYTREL+PTFE MT = SANTOPRENE+PTFE H = HYTREL M = SANTOPRENE D = EPDM N = NBR	T = PTFE S = SS D = EPDM N = NBR	P = PP KC = PVDF+CF A = ALU S = SS Z = PE-UHMWE	D = EPDM V = VITON N = NBR T = PTFE	1 = BSP 2 = FLANGED 5 = NPT	X = zone 1	AB = STANDARD

Phoenix Atex
P100
Ex



PP+CF



PVDF+CF



ALU

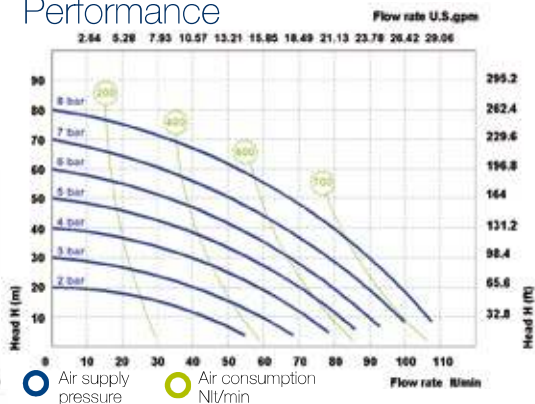


AISI 316

Technical data

Fluid connections: 3/4" BSP
Air connection: 3/8" BSP
Max flow-rate: 110 lt/min
Max air pressure: 8 Bar
Max viscosity: 25.000 cps

Performance



The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20°C, and vary according to the construction material.

Composition

P0100

- PC** = PP+CF
- KC** = PVDF+CF
- A** = ALU
- S** = SS
- HT** = HYTREL+PTFE
- MT** = SANTOPRENE+PTFE
- H** = HYTREL
- M** = SANTOPRENE
- D** = EPDM
- N** = NBR
- T** = PTFE
- S** = SS
- D** = EPDM
- N** = NBR
- P** = PP
- KC** = PVDF+CF
- A** = ALU
- S** = SS
- Z** = PE-UHMWE
- D** = EPDM
- V** = VITON
- N** = NBR
- T** = PTFE
- 1** = BSP
- 2** = FLANGED
- 5** = NPT
- X** = zone 1
- AB** = STANDARD

Phoenix Atex
P160
Ex



PP+CF



PVDF+CF



ALU



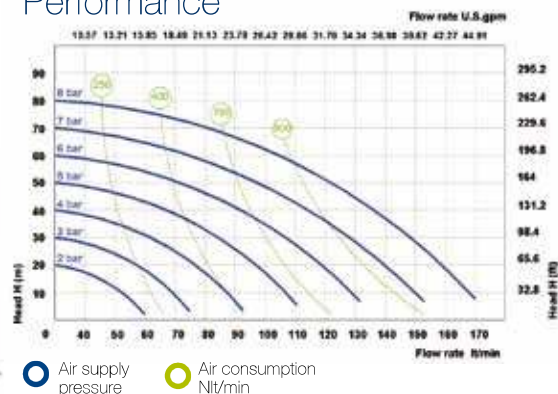
AISI 316

EX II 2/2 GD c IIB T 135°C

Technical data

Fluid connections: 1" BSP
Air connection: 1/2" BSP
Max flow-rate: 170 lt/min
Max air pressure: 8 Bar
Max viscosity: 35.000 cps

Performance



The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20°C, and vary according to the construction material.

Composition

P0160

- | MODEL | CASING | DIAPHRAGM | BALLS | SEATS | GASKET | CONNECTIONS | ATEX | PORTS |
|--------------|---|---|---|--|--|--|-------------------|----------------------|
| P0160 | PC = PP+CF
KC = PVDF+CF
A = ALU
S = SS | HT = HYTREL+PTFE
MT = SANTOPRENE+PTFE
H = HYTREL
M = SANTOPRENE
D = EPDM
N = NBR | T = PTFE
S = SS
D = EPDM
N = NBR | P = PP
KC = PVDF+CF
A = ALU
S = SS
Z = PE-UHMWE | D = EPDM
V = VITON
N = NBR
T = PTFE | 1 = BSP
2 = FLANGED
5 = NPT | X = zone 1 | AB = STANDARD |



PP+CF



PVDF+CF



ALU

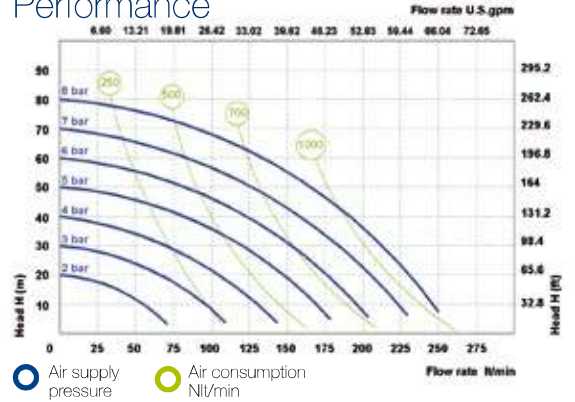


AISI 316

Technical data

Fluid connections: 1" 1/4 BSP
 Air connection: 1/2" BSP
 Max flow-rate: 250 lt/min
 Max air pressure: 8 Bar
 Max viscosity: 35.000 cps

Performance



The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20°C, and vary according to the construction material.

Composition

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
P0250	<ul style="list-style-type: none"> PC = PP+CF KC = PVDF+CF A = ALU S = SS 	<ul style="list-style-type: none"> HT = HYTREL+PTFE MT = SANTOPRENE+PTFE H = HYTREL M = SANTOPRENE D = EPDM N = NBR 	<ul style="list-style-type: none"> T = PTFE S = SS D = EPDM N = NBR 	<ul style="list-style-type: none"> P = PP KC = PVDF+CF A = ALU S = SS Z = PE-UHMWE 	<ul style="list-style-type: none"> D = EPDM V = VITON N = NBR T = PTFE 	<ul style="list-style-type: none"> 1 = BSP 2 = FLANGED 5 = NPT 	<ul style="list-style-type: none"> X = zone 1 	<ul style="list-style-type: none"> AB = STANDARD



PP+CF



PVDF+CF



ALU



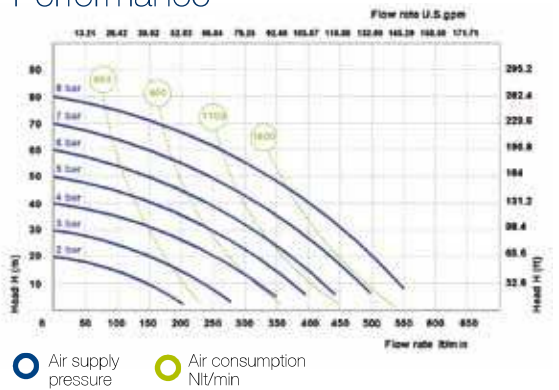
AISI 316

EX II 2/2 GD c IIB T 135°C

Technical data

Fluid connections: 1" 1/2 BSP
 Air connection: 3/4" BSP
 Max flow-rate: 550 lt/min
 Max air pressure: 8 Bar
 Max viscosity: 50.000 cps

Performance



The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20°C, and vary according to the construction material.

Composition

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
P0500	<ul style="list-style-type: none"> PC = PP+CF KC = PVDF+CF A = ALU S = SS 	<ul style="list-style-type: none"> HT = HYTREL+PTFE MT = SANTOPRENE+PTFE H = HYTREL M = SANTOPRENE D = EPDM N = NBR 	<ul style="list-style-type: none"> T = PTFE S = SS D = EPDM N = NBR 	<ul style="list-style-type: none"> P = PP KC = PVDF+CF A = ALU S = SS Z = PE-UHMWE 	<ul style="list-style-type: none"> D = EPDM V = VITON N = NBR T = PTFE 	<ul style="list-style-type: none"> 1 = BSP 2 = FLANGED 5 = NPT 	<ul style="list-style-type: none"> X = zone 1 	<ul style="list-style-type: none"> AB = STANDARD

Phoenix Atex
P700



PP+CF



PVDF+CF



ALU

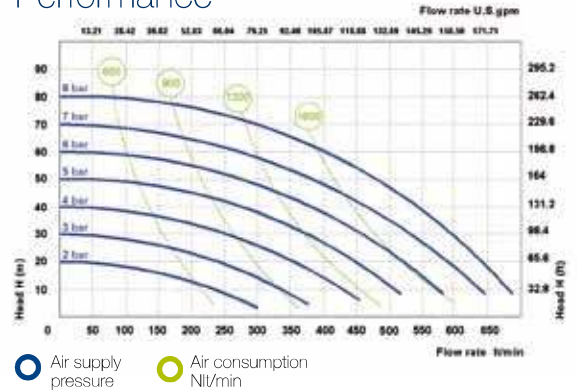


AISI 316

Technical data

Fluid connections: 2" BSP
 Air connection: 3/4" BSP
 Max flow-rate: 700 lt/min
 Max air pressure: 8 Bar
 Max viscosity: 50.000 cps

Performance



○ Air supply pressure ● Air consumption Nl/min
 The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20°C, and vary according to the construction material.

Composition

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
P0250	<ul style="list-style-type: none"> PC = PP+CF KC = PVDF+CF A = ALU S = SS 	<ul style="list-style-type: none"> HT = HYTREL+PTFE MT = SANTOPRENE+PTFE H = HYTREL M = SANTOPRENE D = EPDM N = NBR 	<ul style="list-style-type: none"> T = PTFE S = SS D = EPDM N = NBR 	<ul style="list-style-type: none"> P = PP KC = PVDF+CF A = ALU S = SS Z = PE-UHMWE 	<ul style="list-style-type: none"> D = EPDM V = VITON N = NBR T = PTFE 	<ul style="list-style-type: none"> 1 = BSP 2 = FLANGED 5 = NPT 	<ul style="list-style-type: none"> X = zone 1 	<ul style="list-style-type: none"> AB = STANDARD

Phoenix Atex
P1000



ALU



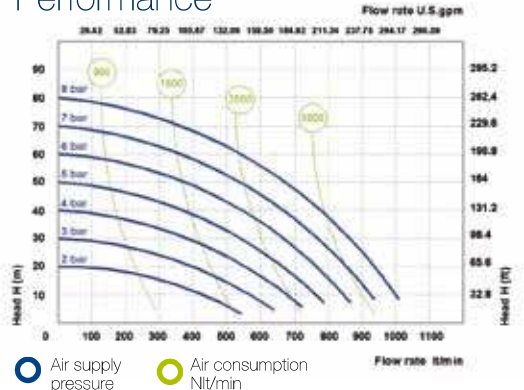
AISI 316

EX II 2/2 GD c IIB T 135°C

Technical data

Fluid connections: 3" BSP
 Air connection: 3/4" BSP
 Max flow-rate: 1050 lt/min
 Max air pressure: 8 Bar
 Max viscosity: 55.000 cps

Performance



○ Air supply pressure ● Air consumption Nl/min
 The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20°C, and vary according to the construction material.

Composition

MODEL	CASING	DIAPHRAGM	BALLS	SEATS	GASKET	CONNECTIONS	ATEX	PORTS
P1000	<ul style="list-style-type: none"> A = ALU S = SS 	<ul style="list-style-type: none"> MT = SANTOPRENE+PTFE H = HYTREL M = SANTOPRENE 	<ul style="list-style-type: none"> T = PTFE S = SS D = EPDM N = NBR 	<ul style="list-style-type: none"> A = ALU S = SS 	<ul style="list-style-type: none"> D = EPDM V = VITON N = NBR T = PTFE 	<ul style="list-style-type: none"> 1 = BSP 2 = FLANGED 	<ul style="list-style-type: none"> X = zone 1 	<ul style="list-style-type: none"> AB = STANDARD