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Технические характеристики на пневматические сильфонные насосы DT20 3/8 inch, DT50 1/2 inch, DT80 3/4 inch, DT100 1 inch КОМПАНИИ **DINO PUMP**

Air Operated Bellows Pump DT20 3/8 inch



DT20 DINO Bellows Pumps,

Inlet/outlet: 3/8", max.
 temperature: 130°C, max.
 flow rate: 28.5L/min.

Wetted parts all are combined
 with special material PTFE-TFM,
 excellent flexible and smooth.

Inlet/Outlet (NPT)	Air connection (NPT)	Max.capacity (LPM)	Operating pressure(Bar)	Max.temperature PTFE	High-temp PTFE
3/8"	3/8"	28.5	1-7	130°C	200°C
Max.particle	Per cycle (L)	Suction lift ,dry	Suction lift ,we	Weigh PTFE	High-temp PTFE
0.5mm	0.06	2mwc	5mwc	8.6kgs	10.8kgs

Fitting



Pulsation Dampener

Stroke Counter

Leak Sensor

Advantage

- 1.often used in transferring acid and hydroxides.
- 2.actuation parts are combine with special PTFE-TFM, excellent flexibility and smooth non-porous design.
- 3.The maximum temperature can reach 130 °C.
- 4.Class 100 cleanroom testing, assembly, produce high purity, non-polluting electronic grade pumps.
- 5.obtained "separate air valve," "dry-run resistant" two design patents and approved by CE certificate.

widely applied in Semiconductor, Solar, LED, Panel, PV, electronic,process system industries and so on. suitably transfer low capacity, high purity chemical liquid. Using high anti-abrasion coefficient CERAMIC, no thermal expansion and cotraction concern shuttle shaft and sleeve fit closely for perfect airtighr, accurate and stable operating system.

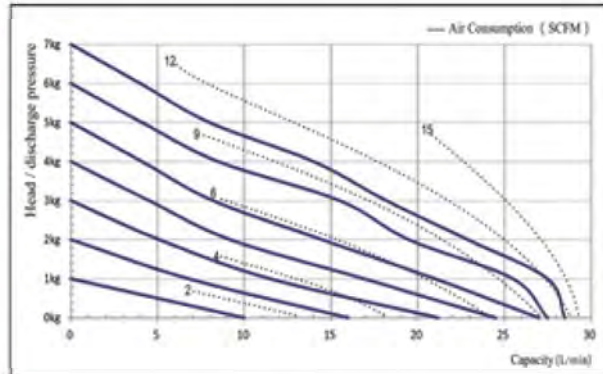
3/8" HT20, HT20F



■ Technical Data

Inlet / Outlet (NPT)	3 / 8"	
Air connection (NPT)	3 / 8"	
Max. capacity (LPM)	28.5	
Operating pressure (Bar)	1 - 7	
Max. temperature PTFE	130°C	
High-temp.PTFE	200°C	
Max. particle	0.5mm	
Per cycle (L)	0.06	
Suction lift, dry	2mwc	
Suction lift, wet	5mwc	
Weight	PTFE	8.6kgs
	High-temp.PTFE	10.8kgs

■ Performance Curve



※Test condition: In room temperature pure water;

Fully open fluid inlet/outlet ID:14.2mm with air pipe ID:4mm

※Performance curves may vary based on application.

※With fully open inlet ID:9.5mm/ outlet ID:9.5mm, air pipe ID:4mm,

Max. capacity is 19.9L/min.

Air Operated Bellows Pump DT50 1/2 inch



DT50 DINO Bellows Pumps,

Inlet/outlet: 1/4", max. temperature: 130°C,
max. flow rate: 46L/min.

Wetted parts all are combined with special material PTFE-TFM,
excellent flexible and smooth.

Inlet/Outlet (NPT)	Air connection (NPT)	Max.capacity (LPM)	Operating pressure(Bar)	Max.temperature PTFE	High-temp PTFE
1/2"	3/8"	46	1-7	130°C	200°C
Max.particle	Per cycle (L)	Suction lift ,dry	Suction lift ,we	Weigh PTFE	High-temp PTFE
0.5mm	0.13	2mwc	5mwc	8.6kgs	10.8kgs

Fitting



Pulsation Dampener



Stroke Counter



Leak Sensor



Advantage

- 1.often used in transferring acid and hydroxides.
- 2.actuation parts are combine by special PTFE-TFM, excellent flexibility and smooth non-porous design.
- 3.The maximum temperature can reach 130 °C.
- 4.Class 100 cleanroom testing, assembly, produce high purity, non-polluting electronic grade pumps.
- 5.obtained "separate air valve," "dry-run resistant" two design patents and approved by CE certificate.

widely applied in Semiconductor, Solar, LED, Panel, PV, and so on electronics industry process system.
 suitable transfer small capacity, high purity chemical liquid.
 Using high anti-abrasion coefficient CERAMIC, no thermal expansion and contraction doubt;
 shuttle shaft and sleeve fit closely for perfect airtight, accurate and stable operating system.

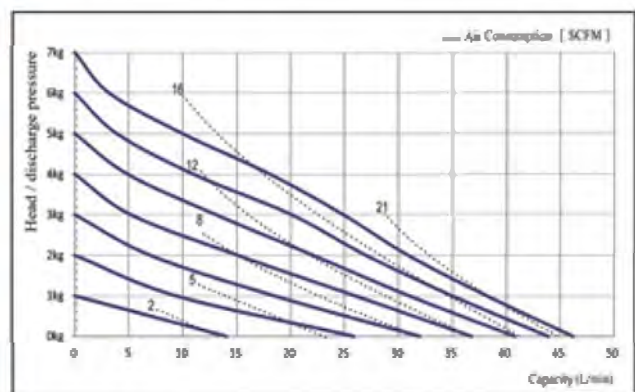
1/2" HT50, HT50F



Technical Data

Inlet / Outlet (NPT)	1 / 2"
Air connection (NPT)	3 / 8"
Max. capacity (LPM)	46
Operating pressure (Bar)	1 - 7
Max. temperature PTFE	130°C
	High-temp.PTFE 200°C
Max. particle	0.5mm
Per cycle (L)	0.13
Suction lift, dry	2mwc
Suction lift, wet	5mwc
Weight	PTFE 8.6kgs
	High-temp.PTFE 10.8kgs

Performance Curve



- ※ Test condition: In room temperature pure water;
Fully open fluid Inlet/outlet ID:18mm with air pipe ID:4mm
- ※ Performance curves may vary based on application.
- ※ With fully open inlet/outlet ID:9.5mm, air pipe ID:4mm,
Max. capacity is 23L/min.

Air Operated Bellows Pump DT80 3/4 inch



DT80 DINO Bellows Pumps,

Inlet/outlet: 3/4", max. temperature: 130°C,
max. flow rate: 62L/min.

Wetted parts all are combined with special material PTFE-TFM,
excellent flexible and smooth.

Inlet/Outlet (NPT)	Air connection (NPT)	Max.capacity (LPM)	Operating pressure(Bar)	Max.temperature PTFE	High-temp PTFE
3/4"	3/8"	64	1-7	130°C	200°C
Max.particle	Per cycle (L)	Suction lift ,dry	Suction lift ,we	Weigh PTFE	High-temp PTFE
0.5mm	0.21	2mwc	5mwc	12.5kgs	15.4kgs

Fitting



Pulsation Dampener



Stroke Counter



Leak Sensor



Advantage

- 1.often used in transferring acid and hydroxides.
- 2.actuation parts are combined with special PTFE-TFM, excellent flexibility and smooth non-porous design.
- 3.The maximum temperature can reach 130 °C.
- 4.Class 100 cleanroom testing, assembly, produce high purity, non-polluting electronic grade pumps.
- 5.obtained "separate air valve," "dry-run resistant " two design patents and approved by CE certificate.

widely applied in Semiconductor, Solar, LED, Panel, PV, and so on electronics industry process system.

suitable transfer median capacity, high purity chemical liquid.

using high density PTFE material manufacture, better elasticity, ductility, and non-deformation;

can transfer liquid without horizontal installation;

inner concaved design, flat contact for better tightness and self-priming; protecting bellows damage cause by back pressure.

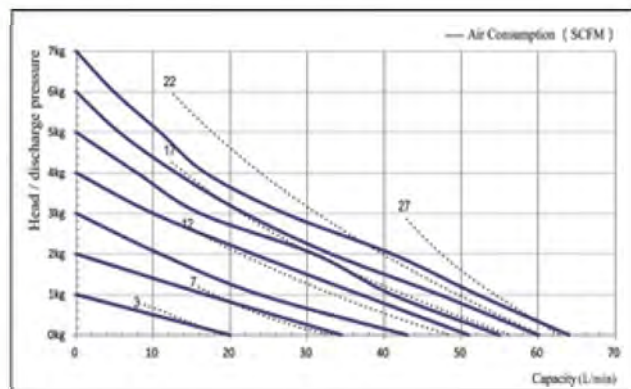
3/4" HT80, HT80F



Technical Data

Inlet / Outlet (NPT)	3 / 4"
Air connection (NPT)	3 / 8"
Max. capacity (LPM)	62
Operating pressure (Bar)	1 - 7
Max. temperature PTFE	130°C
High-temp.PTFE	200°C
Max. particle	0.5mm
Per cycle (L)	0.21
Suction lift, dry	2mwc
Suction lift, wet	5mwc
Weight PTFE	12.5kgs
High-temp.PTFE	15.4kgs

Performance Curve



- ※Test condition: In room temperature pure water;
- Fully open fluid inlet/outlet ID:22.3mm with air pipe ID:4mm
- ※Performance curves may vary based on application.
- ※With fully open inlet/ outlet ID:16mm, air pipe ID:4mm, Max. capacity is 59L/min

Air Operated Bellows Pump DT100 1 inch



DT100 DINO Bellows Pumps,
Inlet/outlet: 1", max. temperature: 130°C,
max. flow rate: 71LPM.

Wetted parts all are combined with special material PTFE-TFM,
excellent flexible and smooth.

Inlet/Outlet (NPT)	Air connection (NPT)	Max.capacity (LPM)	Operating pressure(Bar)	Max.temperature PTFE	High-temp PTFE
1"	3/8"	71	1-7	130°C	200°C
Max.particle	Per cycle (L)	Suction lift ,dry	Suction lift ,we	Weigh PTFE	High-temp PTFE
0.5mm	0.24	2mwc	5mwc	12.5kgs	15.4kgs

Fitting



Pulsation Dampener



Stroke Counter



Leak Sensor



Advantage

- 1.often used in transferring acid and hydroxides.
- 2.actuation parts are combine by special PTFE-TFM, excellent flexibility and smooth non-porous design.
- 3.The maximum temperature can reach 130 °C.
- 4.Class 100 cleanroom testing, assembly, produce high purity, non-polluting electronic grade pumps.
- 5.obtained "separate air valve," "dry-run resistant" two design patents and approved by CE certificate.

Widely applied in Semiconductor, Solar, LED, Panel, PV, and so on electronics industry process system.

suitable in acid supply system to transfer H₂SO₄, HF, HNO₃, HCL, ROH, NaOH and so on.

Manufactured by high purity and high density PTFE, better anti-abrasion and ductility.

8mm thick shielding in the front of the bellows to reduce damage by sharp particle; long life, can reach over 200,000,000 times.

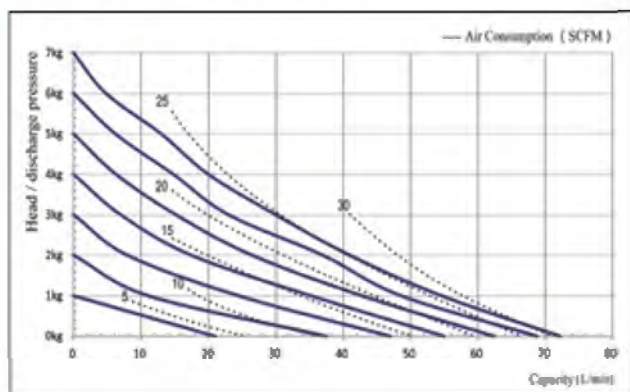
1" HT100, HT100F



Technical Data

Inlet / Outlet (NPT)	1"
Air connection (NPT)	3 / 8"
Max. capacity (LPM)	71
Operating pressure (Bar)	1 - 7
Max. temperature	PTFE 130°C High-temp.PTFE 200°C
Max. particle	0.5mm
Per cycle (L)	0.24
Suction lift, dry	2mwc
Suction lift, wet	5mwc
Weight	PTFE 12.5kgs High-temp.PTFE 15.4kgs

Performance Curve



- ※Test condition: In room temperature pure water;
Fully open fluid inlet/outlet ID:30.4mm with air pipe ID:4mm
- ※Performance curves may vary based on application.
- ※With fully open inlet /outlet ID:23mm, air pipe ID:4mm,
Max. capacity is 67L/min.

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