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# Технические характеристики на пневматические сильфонные насосы для высокотемпературных процессов DT20F 3/8 inch, DT50F 1/2 inch, DT80F 3/4 inch, DT100F 1 inch КОМПАНИИ **DINO PUMP**

## Air Operated Bellows Pump(High temp)DT20F 3/8 inch



**DT20F** DINO Bellows Pumps for  
 high temperature process,  
 Inlet/outlet: 3/8", max. temperature: 200°C,  
 max. flow rate: 28.5L/min.

Air valve 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

## Air Operated Bellows Pump (High temp)DT50F 1/2 inch



### **DT50F** DINO Bellows Pumps

for high temperature process,  
Inlet/outlet: 1/2", max. temperature: 200°C,  
max. flow rate: 46LPM.

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

- 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 median capacity, high purity chemical liquid.

Manufactured by High density PE material CNC auto lathe, no metal combination;

separable air valve can adjust according to installation space;

better airtightness, low air consumption, steady in low air pressure, no clogged.

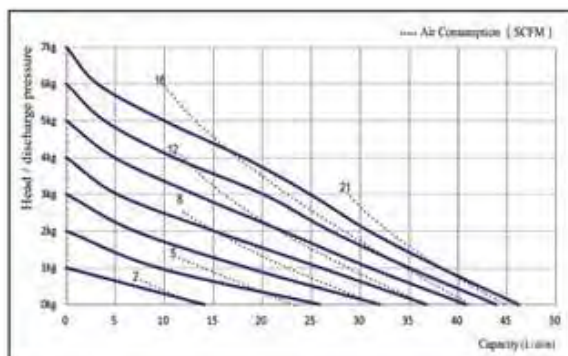
## 1/2" HT50, HT50F



### 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 (High temp)DT80F 3/4 inch



### DT80F DINO Bellows Pumps

for high temperature process,  
Inlet/outlet: 3/4", max. temperature: 200°C,  
max. flow rate: 62LPM.

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



- 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 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.

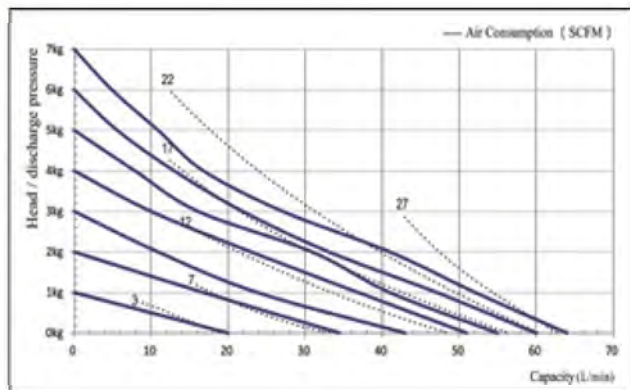
## 3/4" HT80, HT80F



### 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 (High temp)DT100F 1 inch



### **DT100F** DINO Bellows Pumps

for high temperature process,  
Inlet/outlet: 1", max. temperature: 200°C,  
max. flow rate: 71L/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"	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

- 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.

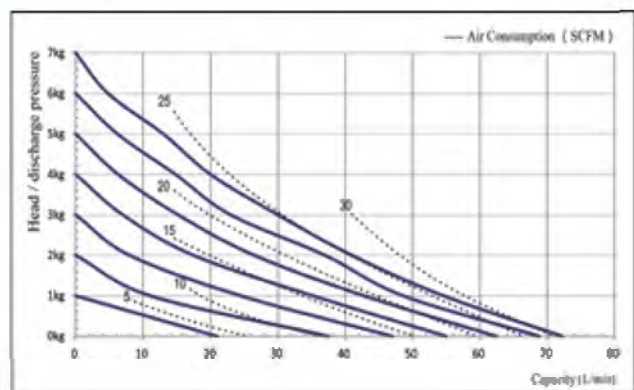
## 1" HT100, HT100F



### 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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