

Yamada AD-TT Serie Pulsation Dampeners greatly reduce fluctuations in fluid flow and significantly reduce ambient noise. AD Dampeners do not restrict fluid flow, or increase fluid pressure, but compensate the voids and pressure fluctuations created by an AODD pump.

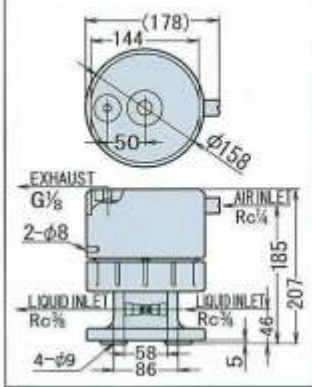


AD-10TT/N/M  
(Installed on DP-10Fi/P/H)

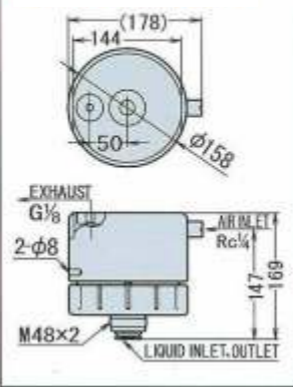
## □ SPECIFICATIONS

Model	AD-10TT/N/S	AD-10TT/N/M	AD-20TT/N/S	AD-20TT/N/M
Product Number	853910	853911	853912	853913
Port Size	3/8" (10A)	3/8" (10A)	3/4" (20A)	3/4" (20A)
Liquid Port	Inlet		Rc 3/4"	
Dimension	Outlet	-----	Rc 3/4"	-----
Air Port	Inlet		Rc 1/4"	
Dimension	Outlet		Rc 1/8" with silencer	
Air Supply Pressure Range	0,2 - 0,5 cP			
Max Discharge Pressure	0,5 cP			
Discharge Volume/Cycle	20 L/min			
Max Air Consumption	20 L/min			
Max Slurry Diameter	Less than 1 mm	Less than 2 mm	Less than 1 mm	Less than 2 mm
Max Viscosity	Less than 1 cP	Less than 2 cP	Less than 1 cP	Less than 2 cP
Temp	Ambient	0 - 70 degree C		
Range	Liquid	0 - 80 degree C		
Weight	2,8 kg	2,3 kg	4,5 kg	3,8 kg

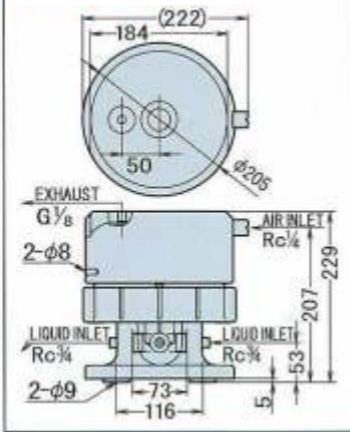
AD-10TT/N/S



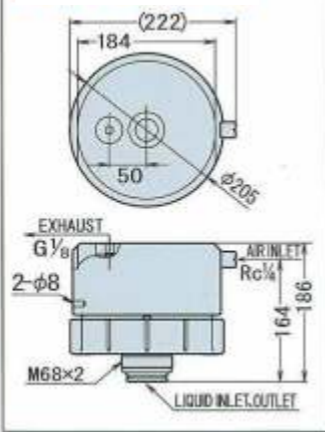
AD-10TT/N/M



AD-20TT/N/S



AD-20TT/N/M



For more information about Yamada products visit the website [www.yamada-europe.com](http://www.yamada-europe.com) or scan the QR-Code



**Yamada Europe B.V.**  
Aquamarijnstraat 50  
7554 NS Hengelo  
The Netherlands

Phone : +31 (0)74-24 220 32  
Fax : +31 (0)74-24 210 55  
Email : [sales@yamada-europe.com](mailto:sales@yamada-europe.com)

Yamada Distributor

## Ultra High Purity PTFE Pump





## DP-F Series

Extensively field proven Yamada F-Series cleanroom manufactured pumps are specifically designed for the safe and efficient transfer of Ultra High-Purity Process Chemistries. They provide maximum corrosion resistance, ultra high-purity levels and low particle generation.

Pumps include 100% machined virgin PTFE diaphragms, liquid chambers and manifolds.

The DP-F Series pump range offers 5 different size models:  
DP-5F, DP-10F, DP-20F, DP-25F & DP-38F



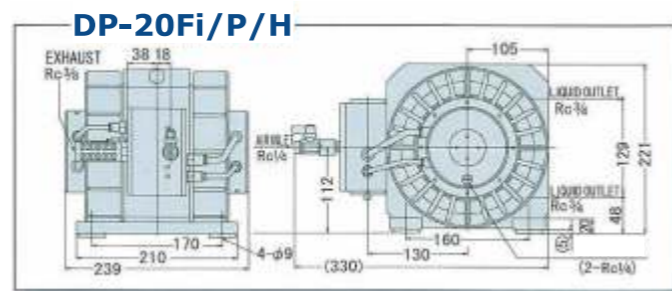
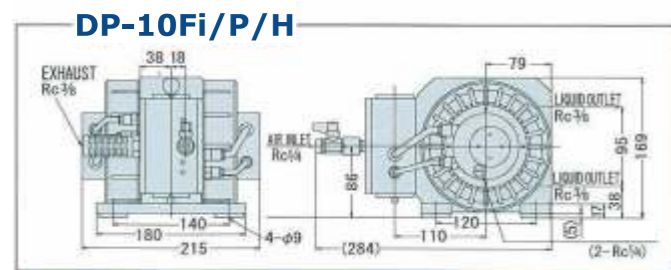
## DP-Fi Series

The Yamada DP-Fi/P/H Series pumps are made from PTFE and PFA plastics and are completely Metal Free.

These pumps are designed to be used for Clean Room applications or any highly corrosive environment where metal parts would be corroded. Due to the compact size of these pumps, they can be easily installed into chemical process machines etc where small size is the most important factor. To achieve this compact design, Yamada designed this pump with an opposite layout compared to all other DP-F double diaphragm pumps. It uses Yamada's Advanced Hard Seal system and has no tie rods or any other metal parts. Normally a diaphragm pump will have its wetted side including check valves and manifolds on the outside section of the pump. For the Yamada DP-Fi/P/H series, all of these components are on the inside section helping to create a low and compact pump.

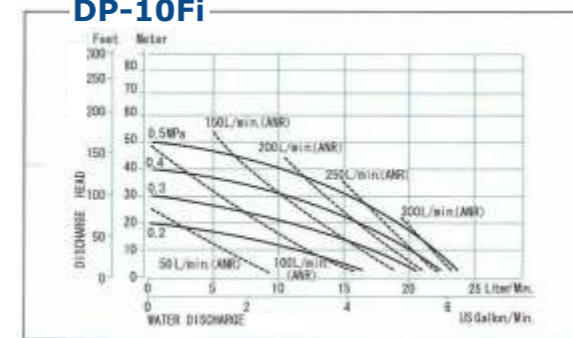


### DIMENSIONS

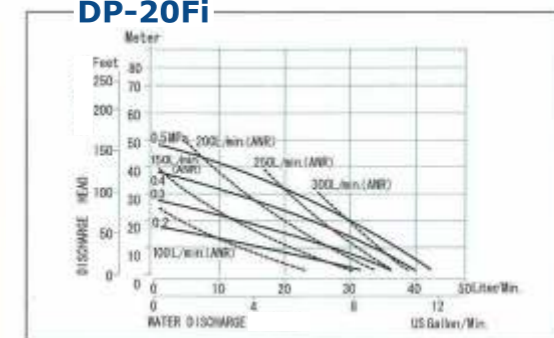


### PERFORMANCE CURVES

#### DP-10Fi

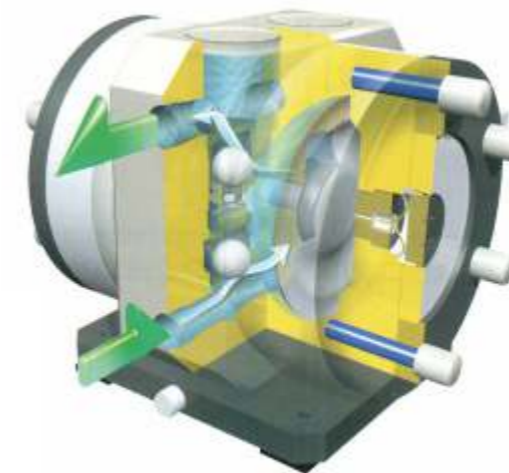


#### DP-20Fi



**⚠** The performance curve was measured using pure water (1mPa.s, s.g.1) and zero pump lift. The flow rate would vary depending on conditions

### SPECIFICATIONS



Type	DP-10Fi/P/H	DP-20Fi/P/H
Fluid Connection	Suction Port Rc 3/8	Rc 3/4
	Discharge Port Rc 3/8	Rc 3/4
Air Connection	Supply Port Rc 1/4	
	Exhaust Port Rc 3/8	
Operating Air Pressure	0,2~0,5 mPa	
Maximum Discharge Pressure	0,5 mPa	
Discharge Volume/cycle	70 mL	185 mL
Maximum Discharge Volume	24 L/min	42 L/min
Maximum Air Consumption	330 L/min (ANR)	370 L/min (ANR)
Slurry Limitation	-----	
Limitation of Viscosity	1.000 cP or lower	
Operating Ambient Temperature Range	Temp.	0~70°C
	Fluid Temp.	0~80°C
A-weighted emission sound pressure level	-----	
A-weighted sound power level	85 dB	88 dB
Weight	9,6 kg	17,2 kg

### DP-Fi/P/H FEATURES

**Non Tie-rod design**  
"Hard-seal" diaphragm technology eliminates the need to re-torque (patent pending)

**One-piece PTFE diaphragm**  
Single-piece differential thickness PTFE diaphragm design

**Switching valve**  
Air switching is outside accessible without disassembling wetted parts

**Tube fittings**  
Simple, compact design, easy of maintenance

**PEEK spool valve**  
Eliminate metal parts even from switching valve