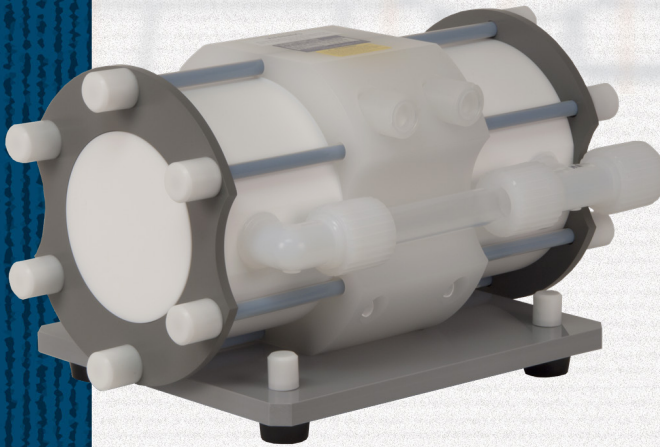


DP-C20F

Yamada pumps are the standard for reliability in critical semiconductor applications.



Yamada Corporation has been a leading producer of industrial equipment since 1905, and of fluid handling products for over 65 years. As a leader in pneumatic pumping technology, Yamada is known in many industries worldwide for its innovative products, superior quality, and unmatched reliability. An impressive history of product design and engineered solutions establishes Yamada as the front runner in industrial pump technology.

Yamada offers several pump options for chemical transfer with accessories such as dampeners, controllers, fiber optic stroke sensors, and leak detection equipment. Not only is Yamada Corporation the worldwide leader in high purity semiconductor pumps, Yamada also provides the most complete line of chemical waste treatment and acid neutralization pumps in the market. We round out our offering of pumps with a line of high quality stainless steel pumps used in solvent delivery applications.

While some of our traditional F-Series have been in service since the mid 1980's, Yamada engineers have been at the forefront in developing new product designs to address the continuously changing requirements in the industry. Yamada's latest high purity advancement features completely nonmetallic internals, longer diaphragm and check valve life plus up to two year maintenance-free operation. Each DP-C F-Series pump is assembled, tested, and packaged in a Class 10 clean room and comes with a standard one year or two year warranty and several of our models are available with a maintenance-free two year performance guarantee, regardless of cycle life.

Features

Benefits

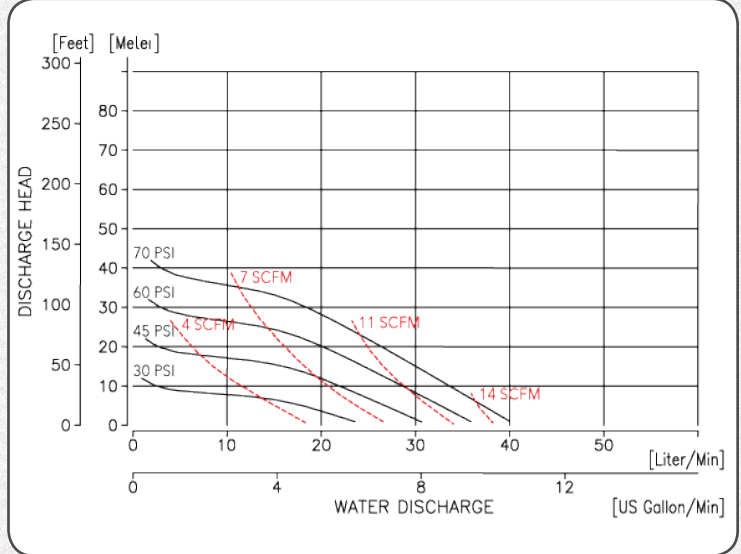
- | | |
|---|--|
| Fiber optic sensor to control stroke length | • Longer diaphragm life |
| External shuttle operation | • Consistent performance & constant volume per cycle, flexible programming to fit application requirements |
| Reduction in weight over previous generations | • Easy to remove & replace inside cabinet |
| Clean Room Manufactured & Tested | • Assured reliability & prevents contamination |
| Field Serviceable | • Maintenance friendly, easily repaired in house |
| Yamada Profile | • Excellent reputation in the high purity bulk chemical market with over 41,000 units |

DP-C20F

Technical Specifications

TYPE		DP-C20FEXT
Fluid Connection	Suction Port	Tube Size O.D. 19mm (3/4")
	Discharge Port	
Air Connection	Supply Port	1/4" NPT
	Exhaust Port	
Operating Air Pressure		0.2-0.5 MPa / 30 - 70 psi
Maximum Discharge Pressure		0.5 MPa / 70 psi
Allowable Maximum Intake Pressure		0.06 MPa / 8 psi
Discharge Volume / Cycle		180 mL / .048 mL
Maximum Discharge Volume		40 L/min / 10 gpm
Maximum Air Consumption		450 L/min(ANR) / 16 SCFM
Operating Temperature Range (Ambient)	Temperature	0-70°C / 32-158°F
	Fluid Temperature	0-80°C / 32-176°F
Weight		12.2 kg / 27 lbs.
Shipping Weight		14.5 kg / 32 lbs.
Available Connections: Flaretek®, Pillar, SMC & Custom (contact factory)		
<i>Options:</i>		
<i>External shuttle only, stroke detection, fiber optic</i>		
<i>Carbon filled Flaretek® fittings</i>		

Performance Curve



Dimensional Drawing

