

A UNIBLOC' BRAND

The simplest ideas are often the best

Flotronic 'One - Nut' pumps



Installation Operation and Maintenance Manual

F Series Minichem All PTFE Pumps











W: unibloctech.com E: sales@unibloctech.com S: unibloctech.com

PLEASE KEEP FOR FUTURE REFERENCE

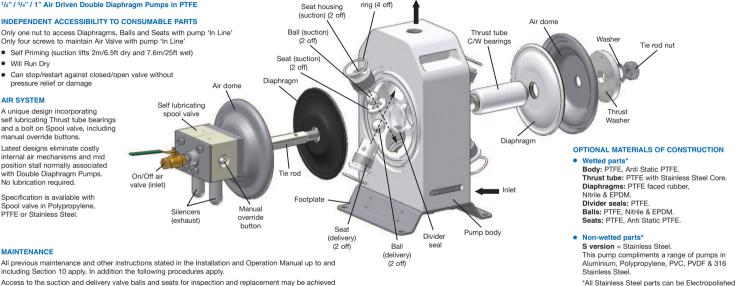




F Series Minichem All PTFE Pumps

Screwed or flanged connections are available as standard BSPT/NPT/ANSI/DIN16. Other special connections can be supplied upon request.

A UNIBLOC: BRAND



Outlet

Seat retaining

Place the delivery balls into the delivery seats and insert into the body. Screw in the seats and also tighten Unscrew the delivery seats using tool part no. T-MC001 with a 19mm socket spanner, engaging the seat

to 6 Nm using the fitting tool.

Insert the four retaining 'O' rings into the seat bores and ensure they locate fully into their respective

if required.

To replace the divider seal, follow the instructions given for the F Series 500 Style Pump in Section 11 taking care to avoid damaging the body.

If removing the pump from the process pipework for maintenance, ensure care is taken to avoid damaging the threaded ports in the body. Do not over tighten the connections or allow any pipework to exert a side loading on the body. This also applies to flanged versions.

Reassemble the air system components as described in Section 10, tightening all fasteners to the torque specified in Section 8. Note the main nut torque is 80 Nm (60 lb/ft).

All previous maintenance and other instructions stated in the Installation and Operation Manual up to and including Section 10 apply. In addition the following procedures apply.

Access to the suction and delivery valve balls and seats for inspection and replacement may be achieved as follows:-

Remove the tie rod assembly, diaphragms and thrust tube as described in Section 10, Carefully remove the four seat retaining 'O' rings from the pump body by prising them from their grooves, using a narrow bladed blunt instrument in the recesses provided.

cross bar fully in the slot of the tool. Withdraw the seats complete with the delivery balls.

Unscrew the suction seat housings in the same way and withdraw them from the body. Remove the suction balls and then lift out the suction seats.

Carefully inspect the components, paying particular attention to the condition of the seat faces and the threads, as the optimum performance of the pump is significantly affected by these components. Also inspect and thoroughly clean the threads and associated machined bores in the pump body. Replace any components that show damage or uneven wear.

Reassemble the suction seats, which may be inserted either way up depending on condition, into the body followed by the balls and seat housings. Screw the seat housings in fully and finally tighten to 6 Nm (4.5 lb/ft) using tool no. T-MC001.

Minichem UK IOM Rev B April 2023

Further Assistance

Remember!

If you require any further assistance, please call us on our **Main Number +1-770-218-8900** or Email us at sales@unibloctech.com

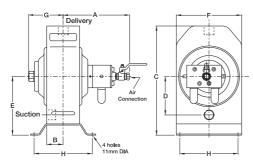
Viton® is a registered trademark of DuPont Dow Elastomers Hastelloy® is a registered trademark of Haynes International

Unibloc Hygienic Technologies also provide:

- Planned maintenance programmes to suit your needs carried out by one of our Specialist Engineers
- Pulsation Dampers
- Alarm Systems
- Jacketed Pumps
- Metering Systems

And much more...

Customised products are a speciality.



Minichem Virgin & Anti Static PTFE										
Size	Α	В	С	D	E	F	G	Н	Wt/kg	Diaphragm Diameter
½" - 1"	225	55	368	130	198	220	116	196	23	7"

Maximum operating pressure 7.2 bar (105 PSIG)

Dimensions in mm

TIGHTENING TORQUES - IMPORTANT							
	LB/FT	NM	KGM				
MAIN NUT STAINLESS STEEL / MILD STEEL	60	80	8				
MAIN NUT SILVER PLATED	60	80	8				
SEATS	4.5	6	0.6				
F00TPLATE	10	14	1.4				

Specifications subject to change without notice.



Ricebridge Works, Brighton Road, Bolney, West Sussex RH17 5NA. UK Tel: +44 (0)1444 881871 Fax: +44 (0)1444 881860

Tel: +44 (0)1444 8818/1 Fax: +44 (0)1444 88186

Email: sales@unibloctech.com
Web: unibloctech.com

For authentic pump spares go to: unibloctech.com

'Flotronic' is a UK registered trade mark. Specifications subject to change without notice.