

Metering systems DSS-01 and DSX-01



Find out more

Fluid-o-Tech®'s metering systems are highly accurate driving systems designed for Fluid-o-Tech® magnet drive gear pumps for dispensing liquids with flow rates ranging from 90 ml to 3600 ml/min. The driver is a 24 V DC brushless motor closed loop controlled by Application Specific Integrated Circuit (ASIC) granting high efficiency, silent operation and long service life. Different pump heads series (MG200 - MG300 - PG300) with different gear width can be mounted on the unit.

Main features

- Pulseless pumping
- Dispense function by volume, time and cycle time
- Interchangeable Fluid-o-Tech® pump heads
- Pre-programmable*
- DC brushless motor assures high output torque, high efficiency, maintenance free and silent operation
- 128 x 32 LCD screen (Four digits LED to display speed information on DSS unit)
- Closed loop for dispensing accuracy control*
- Fast purge function
- Quick start/stop
- Pc controllable unit
- Power-fail memory function



MAIN APPLICATION

- Delivery and dispensing processes for particulate-free solutions

MODEL (GEAR WIDTH)

FLOW RATE

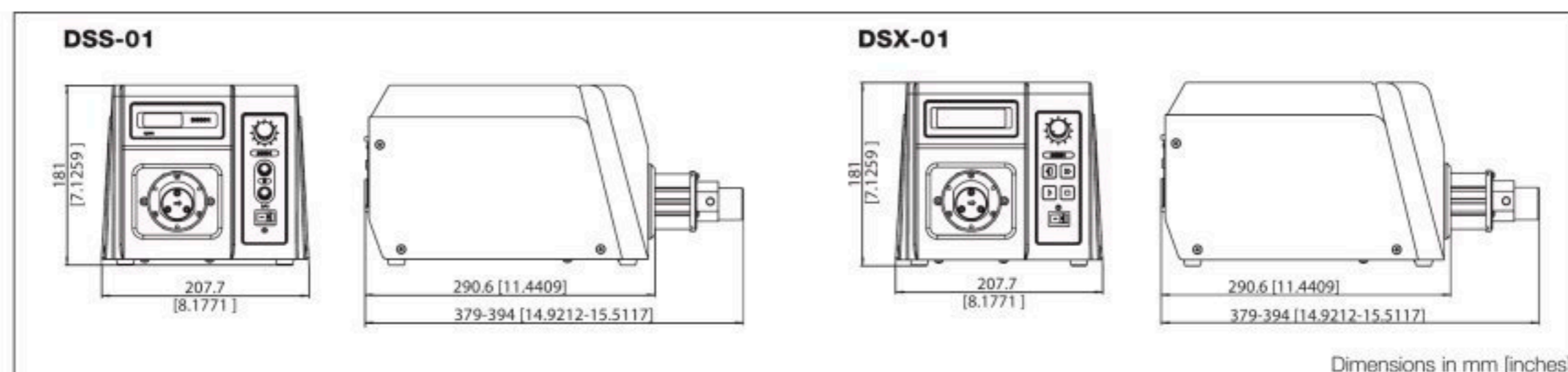
04 mm	0.3 ml/rev
09 mm	0.6 ml/rev
13 mm	0.9 ml/rev
17 mm	1.2 ml/rev

TECHNICAL INFORMATION

Flow range	90-3600 ml/min	Power supply	AC 230 V/50 Hz-115 V/60 Hz
Motor speed	300-3000 rpm	Power consumption	150 W
Motor speed control accuracy	± 1.0%	Cooling	Forced ventilation
Dispensing accuracy control*	1 ml resolution	Working environment**	0 ~ 40 °/32 ~ 104 F
Speed control	4 ~ 20 mA, 0 ~ 5 V, 0 V10 V	Motor IP protection	IP31
Communication mode	RS 485	Weight (without pump head)	5.1 kg (11.3 Lb)
		Size (without pump head)	L/W/H 290/207/181 mm

* Available only on DSX series

** Relative humidity < 90% (non condensing)



Fluid-o-Tech reserves the right to alter the specifications indicated in this catalogue at any time and without prior notice.

www.fluidotech.com

Fluid-o-Tech srl
Via Leonardo da Vinci, 40
20094 Corsico, Milano, Italy
Tel. +39 02 9995 01
Fax +39 02 9995 0999
info@fluidotech.it

Fluid-o-Tech Int'l Inc.
161 Atwater St.,
06479 Plantsville CT (USA)
Tel. +1 (860) 276 9270
Fax +1 (860) 620 0193
info@fluid-o-tech.com

Fluid-o-Tech Int'l Inc. Japan
203, 2-17-19, Ebara, Shinagawa
Tokyo 142-0063, Japan
Tel. +81 (0) (3) 3783 9660
Fax +81 (0) (3) 3783 9661
k.kato@fluidotech.com

Fluid-o-Tech Asia (Beijing) Co., Ltd
Jingwei Industrial Zone,
Beifang Huairou, Beijing, 101400, PRC
Tel. +86 (0) (10) 6168 4650
Fax +86 (0) (10) 6168 4651
info@fluidotech-asia.com