

# MASTERflex<sup>®</sup>

ISMATEC<sup>®</sup>

## Masterflex<sup>®</sup> Ismatec<sup>®</sup> Reglo Digital Piston Pump Systems

### Get powerful performance with a simple touch

- Achieve accuracy and repeatability—with an intuitive touch-screen interface
- 5" (12.7 cm) capacitive TFT/RGB touch screen features crisp resolution and a wide viewing angle
- Continuous run, volume dispense, and time dispense modes—batch control and interval/off time in volume and time modes
- Antidrip and speed ramping available in volume dispense mode—ensure accuracy and minimize sample loss
- Easily save and recall commonly used dispense programs for rapid setup
- Flexible operational control via screen, MasterflexLive<sup>®</sup>, or analog remote control
- MasterflexLive<sup>®</sup> is a secure, cloud-enabled platform for control and monitoring of Masterflex pumps
- Choose a piston pump head to fit your flow needs, or order a convenient system

This Masterflex cloud-enabled drive featuring MasterflexLive\* allows for real-time remote pump control and monitoring. Get control of all pump parameters, including speed, flow rate, dispense volume, and more. You can monitor and adjust critical processes running 24/7 without the need for onsite personnel while push notifications alert you to operating conditions and error messages. Internet connection via Wi-Fi or standard Ethernet (RJ45) jack on rear of drive. USB connection allows for downloadable firmware updates to be loaded into the pump.

Valveless piston pump heads feature small displacement to provide excellent precision. A single moving part means lower maintenance, minimal clogs, and less drift over time—offering millions of cycles of reliable, repeatable pumping. Heads are fully adjustable from zero to maximum.

\*Premium MasterflexLive subscription gives you 21 CFR Part 11 & EU Annex 11 compliance.



MASTERflexLIVE<sup>®</sup>



1-800-637-3739

Masterflex.com



## Digital Drive



Speed range	Resolution	Accuracy	IP rating	Dimensions (L x W x H)	Power	Catalog number
1 to 1800 rpm	0.1 rpm	±0.1%	IP31	7.6" x 5.8" x 6.3" (19.4 x 14.6 x 16 cm)	90 to 260 VAC, 50/60 Hz	<b>MK-78018-60</b>

## Piston Pump Heads

Series	Flow range	Stroke volume	Piston diameter	Piston	Cylinder case	Cylinder liner	Max temperature	Max differential pressure	Inlet connection	Catalog number
RH00	0.025 to 45 mL/min	0 to 0.025 mL	1/8"	316 stainless steel	PVDF	Carbon (sintered)	212°F (100°C)	100 psi (6.9 bar)	1/4" OD tubing	<b>MK-07117-33</b>
					ETFE		212°F (100°C)		1/4" OD tubing	<b>MK-07117-35</b>
RH0	0.05 to 90 mL/min	0 to 0.05 mL	3/16"	Ceramic (alumina)	ETFE	Ceramic (alumina)	212°F (100°C)	100 psi (6.9 bar)	1/4" OD tubing	<b>MK-07117-41</b>
					PVDF		212°F (100°C)		1/4" OD tubing	<b>MK-07117-53</b>
					Ceramic (alumina)	212°F (100°C)	1/4" OD tubing		<b>MK-07117-61</b>	
						212°F (100°C)	1/4" OD tubing		<b>MK-07117-55</b>	
RH1	0.10 to 180 mL/min	0 to 0.10 mL	1/4"	Ceramic (alumina)	ETFE	Ceramic (alumina)	212°F (100°C)	100 psi (6.9 bar)	1/4" OD tubing	<b>MK-07117-63</b>
					PVDF		212°F (100°C)		1/4" OD tubing	<b>MK-07117-71</b>
					Ceramic (alumina)	212°F (100°C)	1/4" OD tubing		<b>MK-07117-75</b>	
						212°F (100°C)	1/4" OD tubing		<b>MK-07117-69</b>	

## Convenient Systems with Drive and Piston Pump Head

Flow range	Drive included	Piston pump head included	Catalog number
0.025 to 45 mL/min	78018-60	07117-33 (SS/PVDF/carbon; 1/8" inlet)	<b>MK-78018-61</b>
		07117-35 (SS/ETFE/carbon; 1/8" inlet)	<b>MK-78018-62</b>
07117-53 (ceramic/ETFE/ceramic; 1/8" inlet)		<b>MK-78018-63</b>	
07117-55 (ceramic/PVDF/ceramic; 1/8" inlet)		<b>MK-78018-64</b>	
07117-63 (ceramic/ETFE/ceramic; 1/8" inlet)		<b>MK-78018-65</b>	
07117-65 (ceramic/PVDF/ceramic; 1/8" inlet)		<b>MK-78018-66</b>	
0.05 to 90 mL/min			
0.10 to 180 mL/min			



## Accessories

**MK-45512-66 Masterflex fitting**, PVDF; female luer x 1/4-28 UNF. Pk of 25  
**MK-45513-81 Masterflex fitting**, PVDF; male luer lock x 1/4-28 UNF. Pk of 25  
**MK-30704-84 Masterflex fitting**, PVDF; 1/16" hose barb x 1/4-28 UNF. Pk of 10  
**MK-30704-86 Masterflex fitting**, PVDF; 1/8" hose barb x 1/4-28 UNF. Pk of 10  
**MK-06605-30 Masterflex transfer tubing**, PTFE; 1/8" ID x 1/4" OD. Pk of 25 ft  
**MK-95100-05 Masterflex transfer tubing**, Kynar® PVDF; 3/16" ID x 1/4" OD. Pk of 50 ft

**MK-01355-00 Masterflex inert in-line outlet check valve**, 0.014 Cv, PEEK/EPDM, 1/4-28 UNF thread

**MK-01355-04 Masterflex inert in-line outlet check valve**, 0.014 Cv, PEEK/FFKM, 1/4-28 UNF thread

**MK-01355-12 Masterflex inert in-line inlet check valve**, 0.014 Cv, PEEK/EPDM, 1/4-28 UNF thread

**MK-01355-16 Masterflex inert in-line inlet check valve**, 0.014 Cv, PEEK/FFKM, 1/4-28 UNF thread

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