


Masterflex® I/P® Drive Selection Guide

	Description	Max flow rate	Fixed speed (rpm)	Variable speed (rpm)	Reversible	Remote control capabilities	Special features
Digital	I/P Precision Modular Drives						
		Up to 19 LPM (5.0 GPM) with one pump head; up to 26 LPM (6.9 GPM) with two Standard or Easy-Load® pump heads (silicone or C-Flex® tubing only)	—	6 to 650	✓	Speed, direction, start/stop	<ul style="list-style-type: none"> ✓ Separate motor and controller for convenient setup ✓ Models available with wall-mount controller and IP66 protection
	I/P Brushless Process Drives						
		Up to 19 LPM (5.0 GPM) with one pump head; up to 26 LPM (6.9 GPM) with two Standard or Easy-Load pump heads with any tubing formulation	—	33 to 650	✓	Speed, direction, start/stop (some models)	<ul style="list-style-type: none"> ✓ Compact and powerful ✓ Maintenance-free brushless motor ✓ IP55 rated
	I/P Digital Modular Dispensing Drives						
	Up to 19 LPM (5.0 GPM) with one pump head; up to 26 LPM (6.9 GPM) with two Standard or Easy-Load pump heads	—	0.1 to 650	✓	Speed, direction, start/stop, prime	<ul style="list-style-type: none"> ✓ Digital dispensing with calibration ✓ Separate controller and motor for useful setup ✓ Models available with wall-mount controller and IP66 protection 	
I/P Digital Process Drives							
	Up to 19 LPM (5.0 GPM) with one pump head; up to 26 LPM (6.9 GPM) with two Standard or Easy-Load pump heads with any tubing formulation	—	0.1 to 650	✓	Speed, direction, start/stop, prime	<ul style="list-style-type: none"> ✓ Digital dispensing with calibration ✓ 316 stainless steel or powder-coat steel enclosure ✓ NEMA 4X, IP66 rated ✓ Maintenance-free brushless motor 	
Specialty	I/P Fixed-Speed Multichannel Pump Systems						
		Up to 15.8 LPM (4.2 GPM) with one pump head; up to 22 LPM (5.8 GPM) with two Easy-Load pump heads	83, 100, 450, 540	—	✓	—	<ul style="list-style-type: none"> ✓ Economical and simple to operate ✓ Available as complete three- and four-channel systems
	I/P Air-Powered Drive						
		Up to 19 LPM (5.0 GPM) with one pump head; up to 26 LPM (6.9 GPM) with two Standard or Easy-Load pump heads	—	100 to 650	—	—	<ul style="list-style-type: none"> ✓ Use where electricity is unsafe or impractical ✓ ATEX Zone 2 approved
	I/P Hazardous-Duty Drive						
	Up to 12.6 LPM (3.3 GPM) with one pump head; up to 17 LPM (4.5 GPM) with two Standard or Easy-Load pump heads	—	10 to 430	—	—	<ul style="list-style-type: none"> ✓ Agency certified for use in hazardous locations 	
I/P Pump Head Adapters							
	Flow rates and features depend on motor selection					<ul style="list-style-type: none"> ✓ Allows you to use 56C motors with Masterflex® I/P pump heads 	