

WOODWARD ACTUATOR AND VALVE SELECTOR

#51253

Product Type	Output	Input Power	Special Driver	Input Control Signal	Prod Spec	Man	Comments
Gas Fuel Applications							
Electric SonicFlo Gas Valve (ESV)	1200 Cg at 450 psig, or 2000 Cg at 300 psig with Class IV shutoff	90 to 150 Vdc, 20 A	8200-216 EM 120 V Digital Driver	4-20 mA, RS-485 (RT SI/O)	03287	26177 = valve 26159 = driver	3 phase 120 V drive signal with resolver for motor commutation with resolver excitation and single position feedback. Uses RS-232 DIP (driver interface program) for setup
Hydraulic SonicFlo Gas Valve	1200 Cg at 450 psig, or 2000 Cg at 300 psig with Class IV shutoff	1200 to 1700 psig hydraulic oil. Triple Coil from GE controller	None-Connects directly to controller	Integrating control signal form a GE controller. +/- 8 mA with +.8 mA null control signal	03285	26094	Dual Coil LVDT feedback to GE controller.
Electric Globe Valves (EGV)	1060 psig max. with Class IV shutoff and min position switch	90 to 150 Vdc, 20 A	8200-216 EM 120 V Digital Driver	4-20 mA, RS-485 (RT SI/O)	03314	26186 = valve 26159 = driver 26180 = driver for Rolls Royce	3 phase 120 V drive signal with resolver for motor commutation with resolver excitation and single position feedback. Uses RS-232 DIP (driver interface program) for setup
Hydraulic Globe Valve	550 psig max. with Class IV shutoff	750 to 900 psig hydraulic oil	Integrating control signal form a Siemens controller.	Dual Coil from controller, +/-30 mA control signal	03314	26170	Single Coil DCDT feedback to controller
Stop Ratio Valve	Fisher Type Vee-Ball Design V300 or V300 Series B HD Metal	1200 to 1700 psig hydraulic oil. Triple Coil from GE controller	Integrating control signal form a GE controller.	Integrating control signal form a GE controller. +/- 8 mA with +.8 mA null control signal		26093 = valve 26230 = valve with elec. trip.	Dual Coil LVDT feedback to GE controller
GS3	10 to 5000 lb/hr, 100 to 750 psig	18-32 Vdc, 25 A to driver	9907-135 GS3/LQ Analog Driver with single resolver	4-20 mA	45021	40146 = valve 40175 = driver	LAT Motor drive signal with single Resolver excitation and feedback. Single speed resolver only.
GS10	25 to 15,000 lb/hr, 100 to 750 psig	18-32 Vdc, 25 A to driver	9907-186 GS10 Analog Driver with single resolver feedback	4-20 mA	45021	40167	Motor drive signal with Resolver excitation and single feedback.
GS6 with single or dual position resolver GS16 with single position resolver	GS6 10 to 15,000 lb/hr, 100 to 759 psig GS16 50 to 30,000 lb/hr, 50 to 750 psig	18-32 Vdc, GS6 = 7 A to driver GS6 = 7 A to driver	No external driver needed. Internal valve actuator connects directly to controller with proportional output.	4-20 mA, Devicenet over CAN to an internal driver to control a LAT motor	GS6 = 03256 GS16 = 03284	GS6 = 26171 GS16 = 26228	Uses RS-232 for set-up Note: The RS-485 connections shown in the manual are not active.
3103/EM35 with single resolver NOT FOR NEW APPLICATIONS	50 to 40,000 lb/hr, 900 psig Max	18-32 Vdc, 25 A to driver	9907-127 EM35 Digital driver with single resolver feedback 9907-067 EM35 Analog driver with single resolver feedback	4-20 mA or signal from a MicroNet PCM (position control module)	40156	40154 = valve 40161 = digital driver 40152 = analog driver	3 phase motor field director and tach for commutation signal with single resolver excitation and single feedback hard overcurrent shutdown, Non-preferred and Not for new applications Not CE
3103/EM35 with dual resolver NOT FOR NEW APPLICATIONS	50 to 40,000 lb/hr, 900 psig Max	18-32 Vdc, 25 A to driver	9907-126 EM35 digital driver with dual resolver feedback	4-20 mA or signal from a MicroNet PCM (position control module)	40156	40154 = valve 40161 = digital driver	3 phase motor field director and tach for commutation signal with single resolver excitation and single feedback hard overcurrent shutdown, Non-preferred and Not for new applications Not CE
3103/EM35MR Gas Valve with single resolver feedback MR = motor resolver	50 to 40,000 lb/hr, 900 psig Max	18-32 Vdc, 37 A to driver	8200-177 EM 24V Digital Driver with single resolver excitation and feedback	4-20 mA, RS-485 (RT SI/O)	03209	40185 = valve 26159 = driver	3 phase 24 V drive signal with resolver for motor commutation along with resolver excitation and single position feedback Uses RS-232 DIP (driver interface program) for setup
3103/EM35MR Gas Valve with dual resolver feedback MR = motor resolver	50 to 40,000 lb/hr, 900 psig Max	18-32 Vdc, 37 A to driver	8200-176 EM 24V Digital Driver with dual resolver excitation and feedback	4-20 mA, RS-485 (RT SI/O)	03209	40185 = valve 26159 = driver	3 phase 24 V drive signal with resolver for motor commutation along with resolver excitation and dual position feedback Uses RS-232 DIP (driver interface program) for setup

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3103/TM55 Proportional with single resolver	50 to 40,000 lb/hr, 900 psig Max	400 to 1000 psig external supply oil	None-Connects directly to controller	20-200 mA, Proportional See APD	40106	40104	
3103/TM55 Integrating with single resolver	50 to 40,000 lb/hr, 900 psig Max	400 to 1000 psig external supply oil	Requires an integrating driver	.-/-200 mA Integrating, See AID	40106	40103	
3171/EM35MR Gas Valve with single or dual resolver feedback	25 to 20,000 lb/hr, 500 psig Max. self cleaning metering port	18-32 Vdc, 37 A to driver	EM 24V Digital Driver with single (8200-177) or dual (8200-176) resolver excitation and feedback	4-20 mA, RS-485 (RT SI/O)		26118 = valve 26159 = driver	
3171/EM35 Gas Valve with single resolver NOT FOR NEW APPLICATIONS	25 to 20,000 lb/hr, 500 psig Max. self cleaning metering port	18-32 Vdc, 25 A to driver	9907-127 Digital driver with single resolver 9907-067 Analog driver with single resolver	4-20 mA, Proportional See APD or signal from a MicroNet PCM (position control module)	40158	40153 = valve 40161 = digital driver 40152 = analog driver	3 phase motor field director and tach for commutation signal with single resolver excitation and single feedback hard overcurrent shutdown, Non-preferred and Not for new applications Not CE
3171/TM-55 (Integrating) Gas Valve	25 to 20,000 lb/hr, 500 psig Max. self cleaning metering port	400 to 1000 psig external supply oil	Requires an integrating driver	.-/-200 mA Integrating, See AID		40115	
Swift Valves	50 to 695 lb/hr, 85 to 300 psia	18-32 Vdc, 48 W to driver	Swift Valve Driver which provides stepping motor drive signal	4-20 mA, Devicenet over CAN, and PWM 500-2kHz	03252	26202	Configured on the test stand to work with a particular valve, i.e. single or dual valves and user interface.
Gas Shutoff Valve GSOV25 (-20 to +150 C) and GSOV25HT (-20 to +177 C)	Up to 40,000 lb/hr, 900 psig, with Class VI shutoff	Internal gas pressure	None-Connects directly to controller	24 or 125 Vdc (On/Off) 10 W nominal	40176 = GSOC25 03286 = GSOV25 HT	40172 = GSOC25 26190 = GSOV25 HT	



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