



# FLOW SWITCHES & TRANSMITTERS
















*Leaders in Flow Measurement Technology*











- *Magnetic Actuated Paddle Switches*
- *Compact Piston Switches*
- *Thermal Dispersion Switches with no Moving Parts*
- *Paddlewheel and Turbine Transmitters*
- *Switches and Transmitters with Flow Indication*









## FLOW SWITCHES

Series	PADDLE STYLE							PISTON STYLE							
	V4	V6	V8	V10	V11	FS-2	530	V12	P5	P4	P1	P2	P3	P8	AFS
<b>Service</b>	Gases or Liquids	Gases or Liquids	Gases or Liquids	Gases or Liquids	Gases or Liquids	Liquids	Gases	Liquids	Liquids	Liquids	Liquids	Gases or Liquids	Liquids	Liquids	Gases or Liquids
<b>Set Point Range</b>	3 to 2400 GPM (12 to 9000 LPM) 17 to 10000 SCFM (8 to 4700 LPM)	.03 to 10 GPM (.11 to 38 LPM) .15 to 43 SCFM (4 to 1200 LPM)	9 to 45 GPM (35 to 170 LPM) 33 to 169 SCFM (923 to 4775 LPM)	2.3 to 9.5 GPM (8.7 to 36 LPM) 8.8 to 50 SCFM (250 to 1420 LPM)	2.3 to 9.5 GPM (8.7 to 36 LPM) 8.8 to 50 SCFM (250 to 1420 LPM)	4 to 396 GPM (15 to 1500 LPM)	400 to 1600 FPM (122 to 487 MPS)	.5 to 5 GPM (1.89 to 18.92 LPM)	.5 to 2 GPM (1.89 to 7.57 LPM)	.1 to 1.5 GPM (.38 to 5.7 LPM)	.1 to 1.5 GPM (.38 to 5.7 LPM)	.05 to 1 GPM (.2 to 3.79 LPM) .42 to 5 CFM (11.9 to 141 LPM)	.25 to 2 GPM (.95 to 7.57 LPM)	.25 to 2 GPM (.95 to 7.57 LPM)	1 to 75 SCFM @ 5 psi (28 to 2123 LPM @ 5 psi) .5 to 20 GPM (2 to 75.5 LPM)
<b>Wetted Materials</b>	Brass, 430 SS, 316 SS*	Brass or 303 SS, 301 SS, 302 SS, Ceramic*	PPS, 316 SS or Inconel®, Ceramic	Brass or 303 SS, 316 SS, 301 SS, 302 SS, Ceramic	Brass or 303 SS, 316 SS, 301 SS, 302 SS, Ceramic	Tin-Bronze, Brass, SS	Steel, Brass	PPE & PS, SS, Ceramic*	PVC, Buna-N, Epoxy	PPS, 316 SS, Fluoroelastomer, Epoxy	Brass, Polysulfone, 316 SS, Fluoroelastomer, Epoxy	PPE & PS, Epoxy, 316 SS	Polypropylene, PPS Composite, 316 SS, Fluorocarbon	Brass, PPS Composite, Epoxy, 316 SS, Fluorocarbon	316 SS, Fluoroelastomer, Epoxy, Brass
<b>Temperature Limit</b>	-4 up to 400°F (-20 to 205°C)	-4 up to 400°F (-20 to 205°C)	212°F (100°C)	200°F (93°C)	250°F (121°C)	230°F (110°C)	180°F (82°C)	0 to 194°F (-18 to 90°C)	120°F (49°C)	0 to 225°F (-18 to 107°C)	-20 to 225°F (-29 to 107°C)	0 to 212°F (-18 to 100°C)	0 to 212°F (-18 to 100°C)	-20 to 275°F (-28 to 135°C)	-20 to 300°F (-29 to 149°C)*
<b>Pressure Limit</b>	Up to 5000 psig (345 bar)	Up to 2000 psig (138 bar)	150 psig (10.3 bar)	Up to 2000 psig (138 bar)	Up to 2000 psig (138 bar)	145 psig (10.0 bar)	NA	Up to 100 psig (6.9 bar)	Up to 120 psig (8.3 bar)	Up to 250 psig (17 bar)	1000 psig (69 bar)	150 psig (10.3 bar) @ 70°F (21°C), 50 psig (3.4 bar) @ 212°F (100°C)	125 psig (8.6 bar) @ 70°F (21°C), 50 psig (3.4 bar) @ 212°F (100°C)	1500 psig (103 bar)	1000 psig (69 bar)
<b>Adjustable Set Point</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	Yes
<b>Power Requirement</b>	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
<b>Enclosure Rating</b>	WP & EXP	WP & EXP	WP	WP	WP	WP	GP	GP	GP	GP	GP	GP	GP	GP	GP
<b>Switch Type</b>	SPDT or DPDT	SPDT or DPDT	SPDT	SPST	SPST	SPDT	SPDT	SPST	SPST	SPST or SPDT	SPDT	SPST, N.O.	SPST, N.O.	SPST, N.O.	SPDT
<b>Process Connection</b>	1-1/2" NPT*	1/2" NPT*	1" NPT*	1" NPT*	1" NPT*	1" NPT or BSPT	Flange	3/4" or 1" NPT	1/2", 3/4", 1" NPT	9/16"-18 UNF-2B	1/4" NPT	1/4" NPT	3/8" NPT or 1/4" Quick Disconnect	3/8" NPT	1/2" NPT
<b>Agency Approvals</b>	CE 	CE 	CE 	CE 	CE 	CE 			CE 	CE 	CE 	CE 	CE 	CE 	CE 

## FLOW SWITCHES

Series	GLOBE STYLE		THERMAL				INDICATING		
	G9	GVS	FTS	FMS	TSP	TDS	FS	HFO	SF2
<b>Service</b>	Liquids	Liquids	Liquids	Liquids	Liquids	Liquids	Liquids	Gases or Liquids	Liquids
<b>Set Point Range</b>	.75 to 14.0 GPM (2.8 to 53 LPM)	1 to 8 GPM (3.8 to 30.3 LPM)	1.2 ft/s (.4 m/s)	0 to 5 ft/s (0 to 1.5 m/s)	.2 ft/s (.06 m/s)	.04 to 3 ft/s (.012 to .91 m/s)	0.5 to 7 GPM (1.89 to 26 LPM)	2 to 12 SCFM (56.6 to 339.8 SCFM) .5 to 50 GPM (1.89 to 189.3 LPM)	.5 to 60 GPM (1.9 to 227 LPM)
<b>Wetted Materials</b>	Bronze, Acetal, 316 SS, Fluoroelastomer, Ceramic	Bronze, TFE, 316 SS, Fluoroelastomer, Ceramic	303 SS	303 SS	Polypropylene/PPS or Polyvinylidene Fluoride	Polypropylene/PPS or Polyvinylidene Fluoride	Polysulfone, Barium, SS	Aluminum, Brass or 304 SS, Buna-N, Fluoroelastomer, PTFE, Alnico®	Brass, Ceramic, PPS, Polysulfone, Fluoroelastomer
<b>Temperature Limit</b>	-20 to 180°F (-29 to 82°C)	-20 to 200°F (-29 to 93°C)	-4 to 176°F (-20 to 80°C)	-4 to 176°F (-20 to 80°C)	-40 to 158°F (-40 to 70°C)	32 to 140°F (0 to 60°C)	158°F (70°C)	240°F (116°C)	-20 to 212°F (-29 to 100°C)
<b>Pressure Limit</b>	400 psig (27 bar) @ 100°F (38°C)	400 psig (27 bar) @ 100°F (38°C)	150 psig (10.3 bar)	450 psig (30 bar)	150 psig (10.3 bar) @ 77°F (25°C)	150 psig (10.3 bar) @ 77°F (25°C)	325 psig (22 bar)	Up to 3500 psig (241 bar)	200 psig (13.8 bar) @ 70°F (21°C)
<b>Adjustable Set Point</b>	Yes	Yes	No	Yes	No	Yes	Yes	Yes	Yes
<b>Power Requirement</b>	No	No	18 to 30 VDC	20 to 30 VDC	120/240 VAC	12 to 36 VDC	110 VAC	None	24 VDC or 110 VAC
<b>Enclosure Rating</b>	GP	GP	WP	WP	WP	GP	GP	WP	GP
<b>Switch Type</b>	SPDT	SPDT	PNP NO	PNP NO or NC	SPDT	SPDT	SPDT	SPDT	SPDT
<b>Process Connection</b>	3/4" NPT	1" NPT	1/2" NPT	1/2" NPT	3/4" NPT	3/4" NPT	3/4" or 1" NPT	1/4", 1/2", 3/4", 1" or 1-1/2" NPT	1/4", 1/2", 3/4" or 1" NPT
<b>Agency Approvals</b>	CE 	CE 				CE 	CE 	NPT	CE 

## FLOW TRANSMITTERS

Series	PADDLE WHEEL/TURBINE					INDICATING
	SFI-800	SFI-100T	SF2	SF	TF	
<b>Service</b>	Liquids	Liquids	Liquids	Liquids	Gases or Liquids	Gases or Liquids
<b>Set Point Range</b>	.5 to 35 GPM (1.9 to 132.5 LPM)	2 to 35 GPM (7.6 to 132.5 LPM)	0.5 to 60 GPM (1.9 to 227 LPM)	.5 to 5 GPM (1.89 to 18.9 LPM)	1.59 to 159 GPH (.1 to 10 LPM) 4.24 to 211 SCFH (2 to 100 LPM)	.2 to 50 GPM (.75 to 189 LPM) 2 to 22 SCFM (7.6 to 83 LPM)
<b>Wetted Materials</b>	Polycarbonate or Polysulfone, SS, and Fluoroelastomer or Buna-N	Brass, PBT, Glass, 300 SS, 316 SS, Buna N	Brass, Ceramic, PPS, Polysulfone, Fluoroelastomer	316 SS	Polyphenylene Sulfide, PPS, Sapphire, Fluoroelastomer	Aluminum, Brass or 304 SS, Buna-N or Fluoroelastomer, PTFE, Alnico®
<b>Accuracy</b>	5%	5%	5 to 15%	2%	3%	4%
<b>Temperature Limit</b>	-20 to 212°F (-29 to 100°C)	-20 to 200°F (-29 to 93°C)	-20 to 212°F (-29 to 100°C)	20 to 225°F (-7 to 107°C)	122°F (50°C)	240°F (116°C)
<b>Pressure Limit</b>	Up to 150 psig (10.3 bar)	125 psig (8.6 bar)	200 psig (13.8 bar) @ 70°F (21°C)	Up to 500 psig (34 bar)	100 psig (6.9 bar) @ 20°C Liquid Models, 40 psig (2.8 bar) @ 20°C Gas Models	Up to 6000 psig (413 bar)
<b>Power Requirement</b>	8 to 28 VDC	8 to 28 VDC	4.5 to 24 VDC	12 to 35 VDC	3V Lithium Battery	12-35 VDC
<b>Enclosure Rating</b>	WP	WP	GP	GP	GP	WP
<b>Output</b>	Pulsed or 1 to 10 VDC	Pulsed	Pulsed	4 to 20 mA	0 to 5 VDC*	4 to 20 mA*
<b>Process Connection</b>	1/2", 3/4" NPT	1/2", 3/4" NPT	1/4" to 1" NPT	1/2" NPT	1/4" to 3/8" O.D.	1/4" to 1-1/2" NPT
<b>Agency Approvals</b>	CE 	CE 	CE 	CE 	CE 	CE 

\*Other Options Available Contact Factory



# Leaders in Flow Measurement Technology



## A word on our Flow Brochure...

Dwyer Instruments, along with its subdivision W. E. Anderson, have a history of providing good quality flow instrumentation at a low cost. This brochure offers a quick overview of our products to assist you in finding the right flow switch or flow transmitter for your needs. We can provide flow sensing solutions from high volume OEM to heavy industrial use.

W. E. Anderson has always provided superior quality paddle flow switches that are magnetic actuated. This magnetic design eliminates wearing bellows and seals that can produce leaks. Dwyer has continually added to the product line through product innovation offering newer sensing technologies and product improvements.

We have always felt that the best does not have to cost you the most, and encourage you, the customer, to check out our value and what we believe to be the most competitively priced products on the market.

Sincerely,  
The Dwyer Instruments Team

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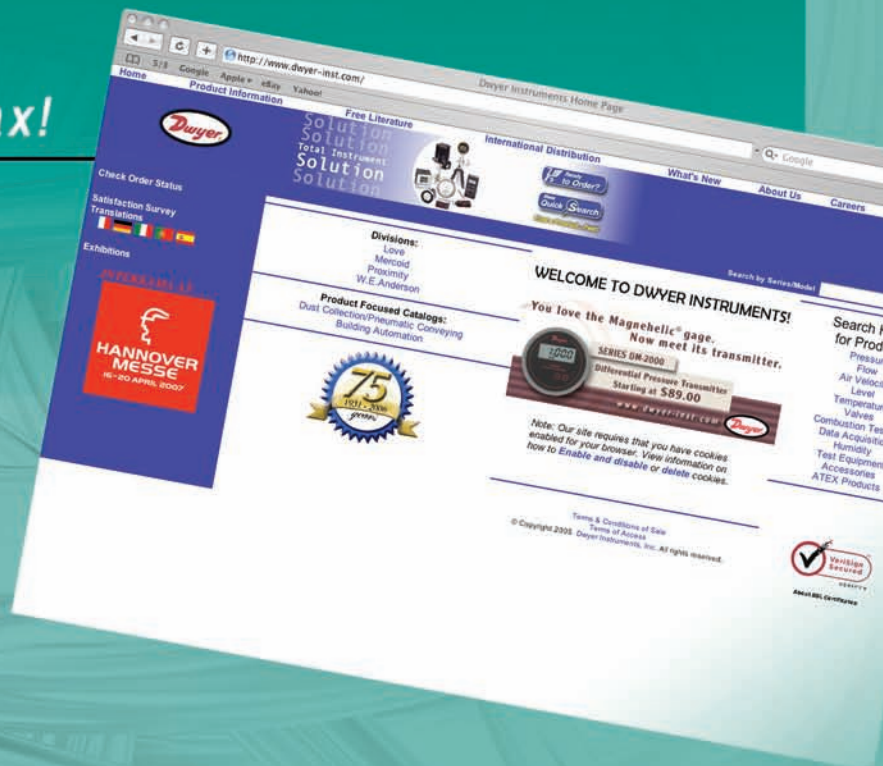
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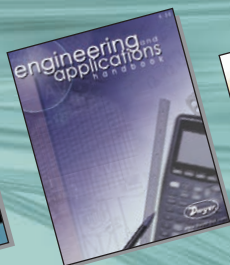
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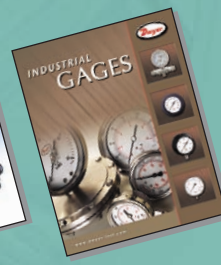
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