

Product and Systems Selection Guide

2/2-Way Solenoid Valve Systems

Orifice Size	Aggressive	Contaminated	Neutral	High Temperature (up to 246°F)	Steam (up to 356°F)
Mini 1/64" to 5/64"	6125/6123 6011 Stainless Steel - slightly aggressive		6011		6013
Compact 5/64" to 5/32"	330/(331) Stainless Steel 6013 Stainless Steel - slightly aggressive 255 Stainless Steel - slightly aggressive	330/331	6013	255	6013 255
> 5/32"	6642 Plastic 5282 Stainless Steel 6212 Stainless Steel - slightly aggressive 6213 Stainless Steel - slightly aggressive	6212 - diagnosis 5282 - up to 2"	6213 5281/281 - high pressure 5404 - ultra pressure 6211 - low cost 6221 - high cycle 6227 - modular 6228 - plastic	6213 - high temperature	406/407 - up to 2"

3/2-Way Solenoid Valve Systems

Orifice Size	Aggressive	Contaminated	Neutral	High Temperature (up to 246°F)	Steam (up to 356°F)
Mini 1/64" to 5/64"	6126/6124		6012		
Compact 5/64" to 5/32"	330/331	330/331	6014/313-D	355	355
> 5/32"			340		

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burkert
Fluid Control Systems

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Mechanical Solenoid Valve Systems (Manifolds)

Orifice Size	Sub-Base Mountable		Modular
	Slightly Aggressive	Neutral	
< 1/64"	6123 3124	6103 6104	
5/64"	6125 6126	6105 6106 6011 6012	
< 5/32"	331	6013 6014	
< 3/8 to 1/2"			287 6227

Easy ON/OFF Solenoid Valve Systems

	Easy ON/OFF Control Sensors and Switches			Solenoid Valve Systems Mechanical Systems		
	Aggressive	Contaminated	Neutral	Aggressive	Contaminated	Neutral
Flow Control	8002 8032 8035 8045	8002 8045	8002 8032 8035 8045	5282 Stainless Steel	6212	6227
Level Control	8161 8181	8161	8161 8181	6642 Plastic	5282	6213
Conductivity Control	8222 8225 8226	8222 8225 8226	8222 8225 8226			
Pressure Control	8311 8326	8311 8326	8311 8326			
Temperature Control	8400	8400	8400			

Analytical Valve Systems and Microsystems

Orifice Size	Aggressive, Disinfectant, Solvent, High Purity	Aggressive, Contaminated, Abrasive	Slightly Aggressive	Neutral
< 1/64"	6603 6604 Microsystems for nanoliter dispensing		6123 6124	6103 6104
1/32" to 1/16"	6605/06 127 2515		6125 6126	6105/6106 300
1/16" to 3/32"	117		200	200
5/64" to 1/4"	124	121 330		6127/6128

Process Actuation Systems: Standard Versions

	0-3.5 SCFM	3.5-7.1 SCFM	7.1-10.6 SCFM	> 10.6 SCFM
	0 - 100 l/Min	100 - 200 l/Min	200 - 300 l/Min	> 300 l/min
Centralized Process Actuation	6012 6014 6106	Air Line 6524/6525 - New!		
		6510/6511 (10mm) - New! 6524/6525 (10mm) - New! 5470 (16mm) 6516/6517 (32mm)		
		331 6510 6511		6518/6519
Decentralized Process Actuation	300 6012 8633	331 1066 6014 8631	5470 Namur	6519 Namur

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Process Actuation Systems: Ex, FM, Hazardous Versions

	0-3.5 SCFM	3.5-7.1 SCFM	7.1-10.6 SCFM	> 10.6 SCFM
	0 - 100 l/Min	100 - 200 l/Min	200 - 300 l/Min	> 300 l/min
Centralized Process Actuation	6106 Exi 6014 Ex	6510 Exi 6511 Exi	5470 Exi	6516 Exi 6517 Exi 6518 Ex 6519 Ex 6520 Exi
Decentralized Process Actuation	127 2515	6014 Banjo Ex	5470 Namur Exi	6519 Namur Ex 6520 Namur Exi

Process Valve Systems: ON/OFF Control

	Contaminated Aggressive Highly Viscous (abrasive)	Slightly Contaminated, Aggressive Neutral Clear	Aseptic Sterile Ultrapure	Steam
Pneumatic	2030 (Diaphragm) 2658 (Ball)	200 2031 GP (Diaphragm) 2655 (Ball) 2012 (Globe)	2031 (Diaphragm)	2000 (Y-Pattern) 2012 (Globe)
Electrical	2659 (Ball)	2656 (Diaphragm)		2653 (Ball) 2656 (Ball)
Solenoid	5282 (Stainless Steel)	340 (Solenoid) 6212 (Solenoid) 6213 (Heavy Duty)		406 (Solenoid) 407 (Solenoid) 6038 (Y-Pattern)
Manual	2657 (Ball) 3232 (Diaphragm)	2000 (Y-Pattern) 2654 (Ball) 3233 (Diaphragm)	3233 (Diaphragm)	2000 (Y-Pattern) 2654 (Ball)

Process Valve Systems: Continuous (Proportional) Control

	Contaminated Aggressive Highly Viscous (Abrasive)	Slightly Contaminated, Aggressive Neutral Clear	Aseptic Sterile Ultrapure	Steam
Pneumatic	2030 (Diaphragm) 2730 (Diaphragm)	2031 (Diaphragm) 2632 (Ball) 2712 (Globe) 2731 (Globe)	2031 (Diaphragm) 2731 (Globe)	2632 (Y-Pattern) 2712 (Globe)
Electrical	2659 (Ball)	2656 (Diaphragm)		2653 (Ball)
Solenoid		6022/6032 6223 (Solenoid)		

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Sensor Systems

	Water Treatment	Food and Beverage	Textile	Pulp and Paper	Agriculture	Pharmaceutical Biotech Medical
Flow Control	8032 Indicator	8032 Indicator		8032 Indicator	8032 Indicator	Micro Sensor 6603/6604
Analytical Control	8226, 8205 (8235/8236)	8226, 8205	8226, 8205	8226, 8205	8226, 8205	
Temperature Control	8400 Indicator	8400 Indicator		8400		
Level Control	8326 Hydrostatic 8181, 8175	8326 Hydrostatic - New! 8175	8181, 8175	8326 Hydrostatic - New! 8175	8181, 8175	8326 Hydrostatic - New! 8175
Pressure Control	8311 8326	8311 8326	8311	8326		8326

Sensor Systems: Flow Sensors

		Normal Fluids	Hot Fluids	Contaminated Fluids	Slightly Aggressive Fluids	Highly Aggressive Fluids	Pure Fluids (non-conductive)	Hygienic Fluids
Continuous Transmitters	Controller	8025 8035 -batch			8025 8035 -batch	8025 8035 -batch	8025 8035 -batch	
		8020 8025 8030 8031 8032 8035	8055 (not yet released)	8002 8040 8045	8025 8032 8035	8002 8025 8032 8035 8055	8025 8031 8035	8055 (not yet released)
ON/OFF	Controller	8025 8032 8035 -ON/OFF		8002 8045 -ON/OFF	8002 8025 8032 8035 -ON/OFF	8002 8025 8032 8035 -ON/OFF	8002 8025 8032 8035 -ON/OFF	
		8010 8025 8032 8035		8002 8045	8002 8010 8025 8032 8035	8002 8025 8032 8035	8002 8025 8032 8035	
Indicators		8024 8032 8034		8002	8024 8032 8034	8002 8024 8032 8034	8002 8024 8032 8034	

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Sensor Systems: Analytical Sensors

		Normal Fluids	Hot Fluids	Contaminated Fluids	Slightly Aggressive Fluids	Highly Aggressive Fluids	Pure Fluids (non-conductive)	Hygienic Fluids
Continuous Transmitters	Controller	8205		8205	8205	8205		
		8205		8205 8206 8226	8205 8206 8222 8225 8226 PEEK 8236	8205 8206 8226 PEEK	8225	8226
ON/OFF	Controller	8222					8225	8226
		8205 8206 8222 8225 8226 8236		8205 8206 8226	8205 8206 8222 8225 8226 PEEK 8236	8205 8206 8226 PEEK		8226
Indicators		8222		8222				

Sensor Systems: Temperature Sensors

		Normal Fluids	Hot Fluids	Contaminated Fluids	Slightly Aggressive Fluids	Highly Aggressive Fluids	Pure Fluids (non-conductive)	Hygienic Fluids
Continuous Transmitters Sensors		8400 ST20 ST21 ST22 ST24	8400 Remote ST20 ST21 ST22 ST23 ST24	8400 ST20 ST21 ST22 ST23 ST24	8400 ST20 ST21 ST22 ST23 ST24	8400 ST20 ST21 ST22 ST23 ST24	8400 ST20 ST21 ST22 ST23 ST24	8400 Remote
ON/OFF	Controller	8400	8400 Remote					
		8400	8400 Remote	8400 Remote	8400 8400 Remote	8400 8400 Remote	8400	8400 Remote
Indicators		8400	8400 Remote	8400 Remote	8400 8400 Remote	8400 8400 Remote	8400	8400 Remote

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Sensor Systems: Level Sensors

		Normal Fluids	Hot Fluids	Contaminated Fluids	Slightly Aggressive Fluids	Highly Aggressive Fluids	Pure Fluids (non-conductive)
Continuous Transmitter	Medium Not Touching	8170/8175	8170/8175	8170/8175	8170/8175	8170/8175	
	Medium Touching	8100			8100	8100	8100
ON/OFF	Medium Not Touching	8103		8103	8103	8103	8103
	Medium Touching	8101 8102 8110 8111 8161 8181	8102 8111 8181	8101 8102 8110 8111 8161	8101 8102 8110 8111 8161 8181	8101 8102 8110 8111 8161 8181	8101 8102 8110 8111 8161 8181

Sensor Systems: Pressure Sensors

		Normal Fluids	Hot Fluids	Contaminated Fluids	Slightly Aggressive Fluids	Highly Aggressive Fluids	Pure Fluids (non-conductive)	Hygienic Fluids
Continuous Transmitters	Controller	8327 Ex 8328		8327 Ex 8328	8327 Ex 8328	8327 Ex 8328	8327 Ex 8328	8327 Ex 8328
		8320 8323 8326	8323 8326 839x	8323 8326 839x	8323 8326 839x	8323 8326 839x	8323 8326	8323 8326 839x
	Controller	8311		8311	8311	8311	8311	8311
ON/OFF		8308 8310 8311	8308	8311	8310 8311	8308 8310 8311	8308 8310 8311	8311
	Indicators	8302 8311		8311	8311	8311	8302 8311	8311

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Easy Controller Systems Architecture

	Normal Fluids	Hot Fluids	Aggressive Fluids	Pure Fluids (non-conductive)	Contaminated	Gases	Steam	Hygenic Fluids
Easy Process Control	8644 with integrated PLC Siemens, Rockwell Automation or Phoenix Contact with: 2631, 8030, 8323, 8400							
Multiple Easy LINK™ Control Loops	MC3 (Multi-channel Controller) with: 8030, 8323, 8400 and Valves							
Single Easy LINK™ Control Loops	8035, 8205, 8400, 8600, 8620, 8623, 8626							

Easy ON/OFF Control Systems

			Aggressive	Contaminated	Neutral	High Temperature (up to 246°F)	Steam (up to 356°F)
Measurement of Flow	8032, 8002, 8045	1/4" to 16" or Measurement in Tank	8002 8222 8045, 8205, 8206, 8226, 8311	8002 8311 8400, 8045	8032 8311 8035, 8205, 8206, 8235, 8236, 8400	8311 Metallic 8226 PEEK	8400 Remote
Temperature	8400, 8400 Remote						
Pressure	8311						
Conductivity	8222, 8225, 8226	1/4" to 16" or Larger with TOP Control on Process Valves	2030 +TOP Control ON/OFF 330 6642	331 2031 GP	2655 +TOP Control ON/OFF	2000 + TOP Control ON/OFF	2000 6013 6038
pH	8205, 8206						
Chlorine	8235, 8236						

Control Loops: Easy Continuous (Proportional) Solenoid Control Systems

		Normal Fluids	Hot Fluids	Contaminated Fluids	Slightly Aggressive Fluids	Highly Aggressive Fluids	Pure Fluids (non-conductive)	Hygenic Fluids
Servo Assisted	NPT 3/8" to NPT 1" 6223 PI Controller and Sensor	6223			6223		6223	
Direct Acting	NPT 1/4" to NPT 3/8" 6022/6023 PI Controller and Sensor	6022 6023			6022 6023		6022 6023	