











EXPLOSIONPROOF EQUIPMENT

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Standard	Description	zone	Pipe connections	illustration	Series	Page	
Pneumatic cylinders							
SHORT STROKE CYLINDERS							
-	II 2 GD c - Ta 40°C T 85°C (T6) - Ta 70°C T 100°C (T5) II 3 GD c - Ta 40°C T 85°C (T6) - Ta 70°C T 100°C (T5)	1-21 2-22			441	Cylinders & Actuators	
ISO 21287	Compact cylinders II 2 GD c - Ta 40°C T 85°C (T6) - Ta 70°C T 100°C (T5) II 3 GD c - Ta 40°C T 85°C (T6) - Ta 70°C T 100°C (T5)	1-21 2-22			449		
ROUND ISO CYLINDERS							
ISO 6432	II 2 GD c - Ta 40°C T 135°C (T4) - Ta 70°C T 200°C (T3) II 3 GD c - Ta 40°C T 135°C (T4) - Ta 70°C T 200°C (T3)	1-21 2-22			435	Cylinders & Actuators	
ISO 6431					438		
ISO 15552 CYLINDERS							
ISO 15552	With profiled barrel	II 2 GD c IIC Ta 70°C T 135°C (T4) II 3 GD c IIC Ta 70°C T 135°C (T4)	1-21 2-22			453	Cylinders & Actuators
		Food industry applications II 2 GD c IIC Ta 70°C T 135°C (T4) II 3 GD c IIC Ta 70°C T 135°C (T4)	1-21 2-22			454	
	With tie-rods	II 2 GD c IIC Ta 70°C T 135°C (T4) II 3 GD c IIC Ta 70°C T 135°C (T4)	1-21 2-22			450	
Magnetic sensors							
ATEX	"T" model, reed switch or magneto-resistive type II 1GEx ia IIC T4 Ga / II 1D Ex ia IIIC T135°C Da II 3G Ex nA T4 X / II 3D Ex tD A22 IP67 T125°C X	0-20 2-22			494 (reed) 494 (MR)	7 9 11 (mounting kits)	

Function	Description	Zones	Pipe connections	illustration	Series	Page
Proportional valves						
3/2	SENTRONIC ^{PLUS} II 2D Ex tb IIIC T135 °C Db II 3G Ex nA IIC T4 Gc, 0 ≤ Ta ≤ +50 °C	1-22	1/8 1/4 1/2 1		614	Proportional Valves digital electronics with external pneumatic pressure supply
Air operated valves						
3/2 NC 5/2 NAMUR	spool valves aluminium body II 2GD IIC T85°C (T6) X	1-21	1/4 1/2		551	Air Operated 3/2 - 5/2
	stainless steel body II 1 GD c (551)/ II 2 GD c (553)	2-22			553	3/2 - 5/2 NAMUR
4/2	poppet valves II 2 GD c - Ta 40°C T 85°C (T6) / II 3 GD c - Ta 40°C T 85°C (T6)	1-21 2-22	instant fittings G1/8-G1/4		263 264	Air Operated
5/2-5/3	spool valves, ISO1-ISO2-ISO3 II 2 GD c - Ta 60°C T 85°C (T6) / II 3 GD c - Ta 60°C T 85°C (T6)	1-21 2-22	pad mount G1/8 to G3/4		541 542 543	Air Operated
Solenoid air operated valves						
4/2	poppet valves II 2 GD c - Ta 40°C T 85°C (T6) II 3 GD c - Ta 40°C T 85°C (T6)	1-21 2-22	instant fittings G1/8 G1/4		263 264	Pneumatic Valves
5/2-5/3	spool valves (ISO1-ISO2-ISO3) II 2 GD c - Ta 60°C T 85°C (T6) II 3 GD c - Ta 60°C T 85°C (T6)	1-21 2-22	pad mount G1/8 to G3/4		541 542 543	
3/2 NC 5/2 5/3 NAMUR	Solenoid air operated spool valves, pilot operated (aluminium, brass or stainless steel body) LPKF/WSLPKF operators: II2G Ex d IIB+H2 T6, II2D Ex tD A21 IP67 T85°C LI/WSLI operators: II1G Ex ia IIC T6 Ga, II2D Ex t IIIC IP67 T85°C Db	1-21 0-21	1/4-1/2		551-553 551 551-553	aluminium: 3/2-5/2-5/3-NAMUR brass: 3/2-5/2-NAMUR stainless steel: 3/2-5/2-5/3-NAMUR
3/2 NC	Solenoid valves, direct operated, aluminium body, with LPKF type operator II2G Ex d IIB+H2 Gb T6..T4, II2D Ex t IIIC Db IP67	1-21	ISO 15218 (CNOMO, size 30)		314/ LPKF	www.asco.com
3/2 NC 5/2 5/3 NAMUR	Solenoid air operated spool valves, pilot operated (aluminium, brass or stainless steel body) (Pilot valve, 302 series: II 3G/3D Ex nA) (Pilot valves, Ex ia: 302,195/LISC, Piezotronic)	2-22 1-21	1/4-1/2		551-553 551-553	aluminium: 3/2-5/2-NAMUR stainless steel: 3/2-5/2-NAMUR
Solenoid pilot valves, coils and solenoid operators						
2/2 NC-NO 3/2 NC-NO-U	Solenoid valves, direct operated, plastic body, pad mount, ISO 15218 (CNOMO, size 15) II 3G Ex nA IIC T6..T4 Gc, II 3D Ex tc IIIC IP65 T85°C..T135°C Dc	2-22			302	www.asco.com
3/2 NC-NO	Solenoid valves, direct operated, plastic body, pad mount, ISO 15218 (CNOMO, size 15) II 1G Ex ia IIC T6, II 1D Ex ia IIIC T 85°C				630	www.asco.com
3/2 NC	Solenoid valves, direct operated, plastic body, pad mount, ISO 15218 (CNOMO, size 15) II 1 G Ex ia IIC T6..T4 Ga, II 1 D Ex ia IIIC T85°C .. T135°C IP65 Da	0-20			302	www.asco.com
3/2 NC	Solenoid valves, direct operated, aluminium body, pad mount, ISO 15218 (CNOMO, size 30) II 1G Ex ia IIC T6 Ga, II 2D Ex ib IIIC T85°C Db IP67				195/ LISC	www.asco.com
2/2-3/2 5/2-5/3	Operators, moulded coil (EM5-MXX) II 2 G Ex mb II T6..T3, II 2 D Ex mD 21 IP67	1-21			PV	www.asco.com
3/2 5/2-5/3	Operator, increased safety/encapsulated II 2G Ex e mb IIC T4 Gb, II 2D Ex t IIIC T135°C Db IP67 (22 and 30 sizes)	1-21			WBLP	www.asco.com
2/2-3/2 5/2-5/3	for dust applications II 3 D Ex tc IIIC T115°C Dc IP65X	22			SG	www.asco.com

Function	Description	Zones	Pipe connections	illustration	Series	Page
Manually and mechanically operated pneumatic valves						
3/2 NC-NO 5/2-5/3	Standard products not requiring ATEX 94/9/EC approval for use in potentially explosive atmospheres	1-21	1/8-1/4-3/8		307 308 309 310 320 550 551 552	Manually & Mechanically Operated Valves
3/2 NC-NO 5/2						
Spool valve islands						
	spool valve island Protocols: DeviceNet™, EtherNet/IP™, Modbus/TCP, Profibus DP, PROFINET, EtherNet/IP™ DLR, CHARM, IO-Link Class A (4 pin), IO-Link Class B (5 pin) Gas and Dusts: II 3G Ex nA IIC T4 Gc IP54 X or IP65 X II 3D Ex tc IIIA or IIIB T85°C Dc IP54 X or Ex tc IIIC T85°C Dc IP65 X Dusts: II 3G Ex nA IIC T4 Gc IP54 X	2-22	G 1/8		501	www.asco.com
					502	www.asco.com
	spool valve island II 2 GD	1-21	G 1/8 G 1/4		622	www.asco.com
Air Preparation, 651-652 Series						
	FR + L air preparation manifold assemblies Particulate Filter / Coalescing filter & absorber Regulator / Coalescing filter & absorber Particulate Filter / Manifold regulator Particulate filter/regulator /Coalescing filter/regulator Lubricator / Shut-off isolation valve Slow-start/quick exhaust valve / Diverter block II 2 GD IIC T85°C (T6) X / II 2 GD IIC T00°C (T5) X	1-21 2-22	1/8 to 1/2		651 652	Air Preparation
Air preparation, stainless steel AISI 316L, 342 Series						
	Filter, Regulator and Filter/Regulator (ATEX / CUTR / NACE) II 2GD IIC T100°C (T5), with 90°C ambient temperature II 2GD IIC T85°C (T6), with 75°C ambient temperature	1-21	1/4 - 1/2			www.asco.com
Pneumatic logic components						
	Sequencer registers, logics, threshold relays, timer relays, one-pulse generator, subbases II 2 GD c IIB 65°C T6X / II 2 GD c IIB 60°C T6X / II 2 GD c IIB T6X	1-21				Pneumatic Automation
Accessories						
	Pneumatic accessories	1-21 2-22			346	Coils & Accessories
	Cable glands Ex d, ATEX / IECEx, II 2 G Ex d IIC, II 2 D Ex tb IIIC	1-21			882	www.asco.com