Solenoids for potentially explosive atmospheres



Category 3 Zone 2 and 22													separate ATEX-socket kit* only with standard solenoid
			Solenoid	**8026**	**8326**	**8426**	**9116**	**9176**	**8176**	**9326**	**9526**	**9426**	
			Category	Ex II 3 GD	Ex II 3 GD	Ex II 3 GD	Ex II 3 GD	Ex II 3 GD	Ex II 3 GD	Ex II 3 GD	Ex II 3 GD	Ex II 3 GD	
			Protection class	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65	
			Body	Polymer	Polymer	Polymer	Polymer	Polymer	Polymer	Polymer	Steel	Polymer	
Execution	Series	Description	Connection	Socket	Socket	Socket	Socket	Socket	Socket	Socket	Socket	Socket	
Diaphragm design													
2/2 way	**82400**	indirectly actuated	G1/4 – G2				●	●					
2/2 way	**82730**	indirectly actuated - stainless steel	G1/4 – G1				●	●					
2/2 way	**82540**	with forced lifting - DC only	G1/4 – G2					up to G 1				G1 1/4 – G2	
2/2 way	**82370**	with forced lifting - DVGW certificate - DC only	G1/4 – G1							●			1262560
2/2 way	**82530**	with forced lifting	G1/4 – G1/2	●									
2/2 way	**84360**	with forced lifting - steam +150° C - DC only	G1/4 – G1										1262560
2/2 way	**82560**	with forced lifting - stainless steel	G1/4 – G1/2	●									
Piston design													
2/2 way	**85300**	indirectly actuated	G1/4 – G2					●					
2/2 way	**85320**	indirectly actuated - steam +200° C - DC only	G1/4 – G1										1262560
2/2 way	**85000**	with forced lifting - DC only	G1/2 – G2		up to G1/2	G3/4 – G2							
2/2 way	**85040**	with forced lifting - stainless steel - DC only	G3/8 – G1		up to G1/2	G3/4 – G1							
2/2 way	**85140**	with forced lifting - stainless steel - DC only	DN15 – 50		DN15	DN20 – 50					DN65 – 100		
Sealed core tube with PTFE-bellows													
2/2 way	**82080**	directly actuated with sealed core tube	G1/4 – G3/8										1262560
Pilot valve													
3/2 way	**84660**	directly actuated	G1/4				●						
3/2 way	**84680**	directly actuated	G1/4					●					
Dust cleaning valves													
2/2 way	**82960**	indirectly actuated electromagnetic operated	G3/4, G1, G1 1/2						●				
2/2 way	**82860**	indirectly actuated electromagnetic operated	G2							●			

Further information please consult the data sheet.

* For use in explosive atmosphere category 3, zone 2 and 22 according to 94/9/EC a special electrical connector housing is required. Please indicate this application explicitly in your order.

Solenoids for potentially explosive atmospheres

Category 2
Zone 1 and 21



			Solenoid	8036	8041	8042	8136	8186	8191	8336	8341	8436
			Category	EX II 2 GD T 140 °C	EX II 2 GD T 140 °C	EX II 2 GD T 140 °C	EX II 2 GD T 140 °C	EX II 2 GD T 140 °C	EX II 2 GD T 140 °C	EX II 2 GD T 140 °C	EX II 2 GD T 140 °C	EX II 2 GD T 140 °C
			Type of ex-protection	EEx me II T4	EEx me II T3	EEx me II T3	EEx me II T4	EEx me II T4	EEx me II T3	EEx me II T4	EEx me II T3	EEx me II T4
			Body	Polymer	Polymer	Polymer	Polymer	Polymer	Polymer	Polymer	Polymer	Polymer
Execution	Series	Description	Connection	M16x1,5 screw joint	M16x1,5 screw joint	M16x1,5 screw joint	M16x1,5 screw joint	M16x1,5 screw joint	M16x1,5 screw joint	M16x1,5 screw joint	M16x1,5 screw joint	M16x1,5 screw joint
Diaphragm design												
2/2 way	**82400**	indirectly actuated	G1/4 – G2									
2/2 way	**82730**	indirectly actuated – stainless steel	G1/4 – G1									
2/2 way	**82540**	with forced lifting	G1/4 – G2									G1 1/4 – G2
2/2 way	**82370**	with forced lifting – DVGW certificate	G1/4 – G1									
2/2 way	**82530**	with forced lifting	G1/4 – G1/2		●							
2/2 way	**82560**	with forced lifting – stainless steel	G1/4 – G1/2		●							
Piston design												
2/2 way	**85300**	indirectly actuated	G1/4 – G2									
2/2 way	**85000**	with forced lifting	G1/2 – G2							up to G1/2	up to G1/2	G3/4 – G2
2/2 way	**85040**	with forced lifting – stainless steel	G3/8 – G1							up to G1/2	up to G1/2	G3/4 – G1
2/2 way	**85140**	with forced lifting – stainless steel	DN15 – 50							DN15	DN15	DN20 – 50
Sealed core tube with PTFE-bellows												
2/2 way	**82080**	directly actuated with sealed core tube	G1/4 – G3/8			●						
Pilot valve												
3/2 way	**84660**	directly actuated	G1/4									
3/2 way	**84680**	directly actuated	G1/4									
Dust cleaning valves												
2/2 way	**82960**	indirectly actuated electromagnetic operated	G3/4, G1, G1 1/2					●	●			
2/2 way	**82860**	indirectly actuated electromagnetic operated	G2									

Category 2
Zone 1 and 21



			Solenoid	8441	8900	8920	9136	9186	9191	9336	9356	9540
			Category	EX II 2 GD T 140 °C	EEx II 2 GD T 140 °C	EX II 2 GD T 140 °C	EEx II 2 GD T 110 °C	EX II 2 G	EX II 2 G	EX II 2 GD T 140 °C	EX II 2 GD T 140 °C	EX II 2 GD T 140 °C
			Type of ex-protection	EEx me II T3	EEx de IIC T4/T5	EEx de IIC T4/T5	EEx me II T4	EEx me II T4	EEx me II T4	EEx me II T4	EEx me II T3	EEx me II T3/T4
			Body	Polymer	Steel	Steel	Polymer	Polymer	Polymer	Polymer	Polymer	Steel
Execution	Series	Description	Connection	M16x1,5 screw joint	M20x1,5 screw joint	M20x1,5 screw joint	with 3m cable	M16x1,5 screw joint	M16x1,5 screw joint	M16x1,5 screw joint	M16x1,5 screw joint	M20x1,5 screw joint
Diaphragm design												
2/2 way	**82400**	indirectly actuated	G1/4 – G2				●	●	●			
2/2 way	**82730**	indirectly actuated – stainless steel	G1/4 – G1				●	●				
2/2 way	**82540**	with forced lifting	G1/4 – G2						up to G1			
2/2 way	**82370**	with forced lifting – DVGW certificate	G1/4 – G1								●	
2/2 way	**82530**	with forced lifting	G1/4 – G1/2									
2/2 way	**82560**	with forced lifting – stainless steel	G1/4 – G1/2									
Piston design												
2/2 way	**85300**	indirectly actuated	G1/4 – G2				●	●	●		●	
2/2 way	**85000**	with forced lifting	G1/2 – G2	G3/4 – G2	●	●						
2/2 way	**85040**	with forced lifting – stainless steel	G3/8 – G1	G3/4 – G1	●	●						
2/2 way	**85140**	with forced lifting – stainless steel	DN15 – 50	DN20 – 50	DN20 – 50	DN20 – 50						DN65 – 100
Sealed core tube with PTFE-bellows												
2/2 way	**82080**	directly actuated with sealed core tube	G1/4 – G3/8									
Pilot valve												
3/2 way	**84660**	directly actuated	G1/4				●					
3/2 way	**84680**	directly actuated	G1/4					●	●			
Dust cleaning valves												
2/2 way	**82960**	indirectly actuated electromagnetic operated	G3/4, G1, G1 1/2									
2/2 way	**82860**	indirectly actuated electromagnetic operated	G2							●	●	

For further information please consult the data sheet.