

DN 25–450

Pipe connection	Flange (ISO 7005-2 and EN 1092-2)
Medium temperature	-20...+120 °C
Leakage rate	A, tight (EN 12266-1)
PN 6, 10, 16	DN 25–200
PN 10, 16	DN 250–350
PN 16	DN 400–450



With wafer type		DN 25	DN 32	DN 40	DN 50
K_{vmax} [m³/h]	BV type	K_{vmax} [m³/h]	BV type	K_{vmax} [m³/h]	BV type
45	D625N	55	D632N	70	D640N
				90	D650N



With lug type		DN 25	DN 32	DN 40	DN 50
K_{vmax} [m³/h]	BV type	K_{vmax} [m³/h]	BV type	K_{vmax} [m³/h]	BV type
45	D625NL	55	D632NL	70	D640NL
				90	D650NL

Suitable actuators

Nominal torque	Open-close	3-point	Terminal connection	Emergency control function	Nominal voltage	Running time motor	Auxiliary switch
					24 V AC/DC	90°	SPDT
					230 V AC		

Standard actuators

SR..	Nominal torque	Open-close	3-point	Terminal connection	Emergency control function	Nominal voltage	Running time motor	Auxiliary switch	Actuator type		Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]
									open-close / 3-point	Modulating (2–10 V)				
•	20 Nm	•	•			24 V	90 s		SR24A-5	SR24A-SR-5	1200	1200	1200	1200
									SR230A-5	SR230A-SR-5	1200	1200	1200	1200
•	40 Nm	•				24 V	150 s		GR24A-5	GR24A-SR-5	1200	1200	1200	1200
									GR230A-5		1200	1200	1200	1200
•	<90 Nm	•				24 V	150 s		DR24A-5	DR24A-SR-5				
									DR230A-5					
									DR24A-7	DR24A-SR-7				
									DR230A-7					
						24 V			DR24A-TP-7					

Fast runners

DR..	Nominal torque	Open-close	3-point	Terminal connection	Emergency control function	Nominal voltage	Running time motor	Auxiliary switch	Actuator type		Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]
									open-close / 3-point	Modulating (2–10 V)				
•	40 Nm	•				230 V	35 s	2	SY1-230-3-T		1200	1200	1200	1200
									GRC24A-5					
									DRC24A-5					
•	<90 Nm	•				24 V	35 s		DRC24A-7					
									SY2-24-3-T	SY2-24-SR-T				
•	90 Nm	•	•			230 V	17 s	2	SY2-230-3-T	SY2-230-SR-T				
									SY3-24-3-T	SY3-24-SR-T				
•	150 Nm	•	•			24 V	22 s	2	SY3-230-3-T	SY3-230-SR-T				
									SY4-24-3-T	SY4-24-SR-T				
•	400 Nm	•	•			230 V	16 s	2	SY4-230-3-T	SY4-230-SR-T				
									SY6-230-3-T					
•	650 Nm	•	•			230 V	31 s	2	SY7-230A-3-T					
									SY8-230A-3-T					
•	1000 Nm	•	•			230 V	55 s	2	SY9-230A-3-T					
									SY10-230A-3-T					
•	1500 Nm	•	•			230 V	55 s	2	SY12-230A-3-T					
•	2000 Nm	•	•			230 V	70 s	2						
•	2500 Nm	•	•			230 V	70 s	2						
•	3500 Nm	•	•			230 V	70 s	2						

Actuators with emergency control function NC/NO

SRF..	Nominal torque	Open-close	3-point	Terminal connection	Emergency control function	Nominal voltage	Running time motor	Auxiliary switch	Actuator type		Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]
									NC	NO				
•	20 Nm	•				24 V	75 s	2	SRF24A-5	...O	1200	1200	1200	1200
									SRF24A-S2-5		1200	1200	1200	1200
									SRFA-5	...O	1200	1200	1200	1200
									SRFA-S2-5		1200	1200	1200	1200
•	40 Nm	•				24 V	150 s		GRK24A-5		1200	1200	1200	1200
									DRK24A-5					
•	<90 Nm	•				24 V	150 s		DRK24A-7					

⊙ = Actuators with mechanical emergency control function.
 —|— = Actuators with electrical emergency control function. The emergency setting position NC/NO of all —|— actuators can be adjusted on the actuator.
 Value = recommended combinations | Value = other possible combinations (Data does not relieve the user of the obligation for testing in individual cases.)

DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400	DN 450	
K_{vmax} [m³/h]	BV type	K_{vmax} [m³/h]	BV type	K_{vmax} [m³/h]	BV type	K_{vmax} [m³/h]	BV type	K_{vmax} [m³/h]	BV type	K_{vmax} [m³/h]	BV type
180	D665N	300	D680N	580	D6100N	820	D6125N	1600	D6150N	2900	D6200N
										4400	D6250N
										7300	D6300N
										10900	D6350N
										14200	D6400N
										18800	D6450N

Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]	
1200											
1200											
1200	1200										
1200	1200										
		1200									
			1200								
				1200							
					1200						
						1200					
							1200				
								1200			
									1200		
										1200	
											1200

Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]	
1200	1200										
	1200	1200									
		1200	1200								
			1200	1200							
				1200	1200						
					1200	1200					
						1200	1200				
							1200	1200			
								1200	1200		
									1200	1200	
										1200	
											1200

Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]	Δp_s [kPa]
1200	1200									
1200	1200									
1200	1200									
1200	1200									
1200	1200									
		1200								
			1200							
				1200						
					1200					

¹⁾ Adapter ZSY-005
²⁾ Adapter ZSY-401
³⁾ Adapter ZSY-701
⁴⁾ Adapter ZSY-702
⁵⁾ Adapter ZSY-703