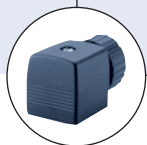




2/2-way Solenoid Valve with servo diaphragm

- Pivoted armature pilot drive also with emergency manual override
- Media separated
- Circuit function can be modified (NC or NO)
- Adjustable switching times (waterhammer-free)
- Insensitive to slightly contaminated and aggressive fluids

Type 5282 can be combined with...



Type 2508
Cable plug



Type 1078
Timer unit



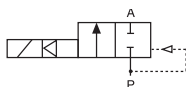
Type 2511
ASI cable plug

The Type 5282 is a pilot-controlled solenoid valve with a servo-diaphragm, media separated, for universal use with liquid and gaseous media corresponding to the material resistance.

As standard, the 3-way pivoted armature pilot drive has an emergency manual operation. The closing and opening times are continuously adjustable.

A differential pressure of 0.5 bar is required to open the full orifice. The response times can be changed by turning the restrictor screws (in the body cover).

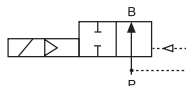
Circuit function A



2/2-way valve, NC

or
by turning the pilot drive through 180°

Circuit function B



2/2-way valve, NO

Technical data	
Orifice	DN 13 - 65 mm
Body material Threaded port Flange	Brass acc. to DIN EN 50930-6, stainless steel 1.4581 Stainless steel 1.4541
Coil material	Epoxy
Coil insulation class	H
Seal material	NBR, EPDM, FKM
Medium NBR EPDM FKM	Neutral Medium, such as compressed air, water, hydraulic oil Oil and fat-free Medium, incl. alkalis, hot water Hot air, per-solutions, hot oil
Medium temperature NBR EPDM FKM	0 to +80 °C - 30 to +90 °C 0 to +90 °C
Ambient temperature	Max. +55 °C
Voltage tolerance	±10 %
Duty cycle	100% continuous rating
Electrical connection	Tag connector acc. DIN EN 175301-803 Form A (previously DIN 43650) for cable plug Type 2508 (see Ordering chart for accessory on p. 56)
Protection class	IP 65 with cable plug
Installation	as required, preferably with actuator upright

A differential pressure of 0.5 bar is required to open the full orifice. The response times can be changed by turning the restrictor screws (in the body cover).

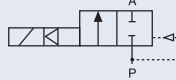
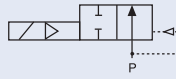
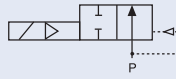
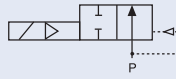
Technical data

Orifice [mm]	Power consumption			Response times ¹⁾	
	Inrush AC [VA]	Hold AC [VA/W]	DC cold/warm [W]	Opening [s]	Closing [s]
13-65	24	14/8	11/8	0.1-0.8	1.0-4.0

1) Measured at valve outlet at 6 bar and +20°C. Opening: pressure build-up 0 to 90%, Closing: pressure relief 100 to 10%

Ordering chart for valves (other versions on request)

Brass body, with manual override, supplied without cable plug

Circuit function	Port connection	Orifice [mm]	Kv value water [m³/h]	Nominal pressure [bar]	Weight [kg]	Item no. per voltage/frequency [V/Hz]																																																																																																																																																																																														
						024/DC	024/50-60	230/50-60																																																																																																																																																																																												
A  2/2-way valve,NC or by turning the pilot drive through 180° <tr><td colspan="6">Brass body, seal material NBR</td><td></td><td></td><td></td></tr> <tr><td>G 1/2</td><td>13.0</td><td>4.0</td><td>0.2 – 10</td><td>0.95</td><td>134 430</td><td>134 431</td><td>134 433</td></tr> <tr><td>G 3/4</td><td>20.0</td><td>6.5</td><td>0.2 – 10</td><td>1.40</td><td>134 434</td><td>134 435</td><td>134 437</td></tr> <tr><td>G 1</td><td>25.0</td><td>10.0</td><td>0.2 – 10</td><td>1.85</td><td>134 438</td><td>134 439</td><td>134 441</td></tr> <tr><td>G 1 1/4</td><td>32.0</td><td>20.0</td><td>0.2 – 10</td><td>2.60</td><td>134 442</td><td>134 443</td><td>134 445</td></tr> <tr><td>G 1 1/2</td><td>40.0</td><td>20.0</td><td>0.2 – 10</td><td>3.05</td><td>134 446</td><td>134 447</td><td>134 449</td></tr> <tr><td>G 2</td><td>50.0</td><td>40.0</td><td>0.2 – 10</td><td>5.15</td><td>134 450</td><td>134 451</td><td>134 453</td></tr> <tr><td>G 2 1/2</td><td>65.0</td><td>40.0</td><td>0.2 – 10</td><td>5.90</td><td>134 454</td><td>134 455</td><td>134 457</td></tr> <tr><td colspan="6">Brass body, seal material EPDM</td><td></td><td></td><td></td></tr> <tr><td>G 1/2</td><td>13.0</td><td>4.0</td><td>0.2 – 10</td><td>0.95</td><td>134 458</td><td>134 459</td><td>134 461</td></tr> <tr><td>G 3/4</td><td>20.0</td><td>6.5</td><td>0.2 – 10</td><td>1.40</td><td>134 462</td><td>134 463</td><td>134 465</td></tr> <tr><td>G 1</td><td>25.0</td><td>10.0</td><td>0.2 – 10</td><td>1.85</td><td>134 466</td><td>134 467</td><td>134 469</td></tr> <tr><td>G 1 1/4</td><td>32.0</td><td>20.0</td><td>0.2 – 10</td><td>2.60</td><td>134 470</td><td>134 471</td><td>134 473</td></tr> <tr><td rowspan="10"> B  2/2-way valve,NO <tr><td>G 1 1/2</td><td>40.0</td><td>20.0</td><td>0.2 – 10</td><td>3.05</td><td>134 474</td><td>134 475</td><td>134 477</td></tr><tr><td>G 2</td><td>50.0</td><td>40.0</td><td>0.2 – 10</td><td>5.15</td><td>134 478</td><td>134 479</td><td>134 481</td></tr><tr><td>G 2 1/2</td><td>65.0</td><td>40.0</td><td>0.2 – 10</td><td>5.90</td><td>134 482</td><td>134 483</td><td>134 485</td></tr><tr><td colspan="6">Brass body, seal material FKM</td><td></td><td></td><td></td></tr><tr><td>G 1/2</td><td>13.0</td><td>4.0</td><td>0.2 – 10</td><td>0.95</td><td>134 486</td><td>134 487</td><td>134 489</td></tr><tr><td>G 3/4</td><td>20.0</td><td>6.5</td><td>0.2 – 10</td><td>1.40</td><td>134 490</td><td>134 491</td><td>134 493</td></tr><tr><td>G 1</td><td>25.0</td><td>10.0</td><td>0.2 – 10</td><td>1.85</td><td>134 494</td><td>134 495</td><td>134 497</td></tr><tr><td>G 1 1/4</td><td>32.0</td><td>20.0</td><td>0.2 – 10</td><td>2.60</td><td>134 498</td><td>134 499</td><td>134 501</td></tr><tr><td>G 1 1/2</td><td>40.0</td><td>20.0</td><td>0.2 – 10</td><td>3.05</td><td>134 502</td><td>134 503</td><td>134 505</td></tr><tr><td>G 2</td><td>50.0</td><td>40.0</td><td>0.2 – 10</td><td>5.15</td><td>134 506</td><td>134 507</td><td>134 509</td></tr><tr><td>G 2 1/2</td><td>65.0</td><td>40.0</td><td>0.2 – 10</td><td>5.90</td><td>134 510</td><td>134 511</td><td>134 513</td></tr></td></tr>	Brass body, seal material NBR									G 1/2	13.0	4.0	0.2 – 10	0.95	134 430	134 431	134 433	G 3/4	20.0	6.5	0.2 – 10	1.40	134 434	134 435	134 437	G 1	25.0	10.0	0.2 – 10	1.85	134 438	134 439	134 441	G 1 1/4	32.0	20.0	0.2 – 10	2.60	134 442	134 443	134 445	G 1 1/2	40.0	20.0	0.2 – 10	3.05	134 446	134 447	134 449	G 2	50.0	40.0	0.2 – 10	5.15	134 450	134 451	134 453	G 2 1/2	65.0	40.0	0.2 – 10	5.90	134 454	134 455	134 457	Brass body, seal material EPDM									G 1/2	13.0	4.0	0.2 – 10	0.95	134 458	134 459	134 461	G 3/4	20.0	6.5	0.2 – 10	1.40	134 462	134 463	134 465	G 1	25.0	10.0	0.2 – 10	1.85	134 466	134 467	134 469	G 1 1/4	32.0	20.0	0.2 – 10	2.60	134 470	134 471	134 473	B  2/2-way valve,NO <tr><td>G 1 1/2</td><td>40.0</td><td>20.0</td><td>0.2 – 10</td><td>3.05</td><td>134 474</td><td>134 475</td><td>134 477</td></tr> <tr><td>G 2</td><td>50.0</td><td>40.0</td><td>0.2 – 10</td><td>5.15</td><td>134 478</td><td>134 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Delivered as circuit function A

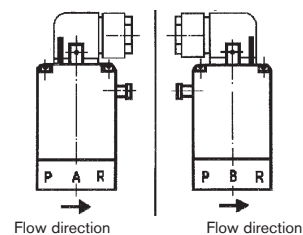
Change to the circuit function B by turning the pilot drive through 180° (only for 10 bar version)

Mounting instructions:

Arrangement of the pilot control

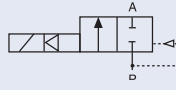
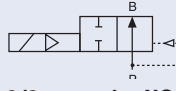
Circuit function B

Circuit function A



Ordering chart for valves (other versions on request)

Stainless steel body, with manual override, supplied without cable plug

Circuit function	Port connection	Orifice [mm]	Kv value water [m³/h]	Nominal pressure [bar]	Weight [kg]	Item no. per voltage/frequency [V/Hz]			
						024/DC	024/50-60	230/50-60	
A  2/2-way valve,NC or by turning the pilot drive through 180° B  2/2-way valve,NO	Stainless steel, seal material NBR								
	G 1/2	20.0	4.0	0.2 – 10	0.95	137 138	137 139	137 141	
	G 3/4	20.0	5.0	0.2 – 10	1.40	137 142	137 143	137 145	
	G 1	25.0	10.0	0.2 – 10	1.80	137 146	137 147	137 149	
	G 1 1/4	32.0	20.0	0.2 – 10	2.25	137 150	137 151	137 153	
	G 1 1/2	40.0	20.0	0.2 – 10	2.70	137 154	137 155	137 157	
	G 2	50.0	40.0	0.2 – 10	4.80	137 158	137 159	137 161	
	Stainless steel, seal material FKM								
	G 1/2	20.0	4.0	0.2 – 10	0.95	134 514	134 515	134 517	
	G 3/4	20.0	5.0	0.2 – 10	1.40	134 518	134 519	134 521	
	G 1	25.0	10.0	0.2 – 10	1.80	134 522	134 523	134 525	
	G 1 1/4	32.0	20.0	0.2 – 10	2.25	134 526	134 527	134 529	
	G 1 1/2	40.0	20.0	0.2 – 10	2.70	134 530	134 531	134 533	
	G 2	50.0	40.0	0.2 – 10	4.80	134 534	134 535	134 537	
	Stainless steel flange acc. DIN 2501 with FKM								
	Flange	20.0	4.0	0.2 – 10	0.95	–	–	–	
	Flange	20.0	5.0	0.2 – 10	1.40	–	–	–	
	Flange	25.0	10.0	0.2 – 10	1.80	134 554	134 555	134 557	
	Flange	32.0	20.0	0.2 – 10	2.25	134 558	134 559	134 561	
Flange	40.0	20.0	0.2 – 10	2.70	134 562	134 563	134 565		
Flange	50.0	40.0	0.2 – 10	4.80	134 566	134 567	134 569		
Stainless steel flange acc. DIN 2501 with EPDM									
Flange	25.0	10.0	0.2 – 10	1.80	134 570	134 571	134 573		
Flange	32.0	20.0	0.2 – 10	2.25	134 574	134 575	134 577		
Flange	40.0	20.0	0.2 – 10	2.70	134 578	134 579	134 581		
Flange	50.0	40.0	0.2 – 10	4.80	134 582	134 583	134 585		
Stainless steel flange acc. DIN 2501 with NBR									
Flange	25.0	10.0	0.2 – 10	1.80	134 538	134 539	134 541		
Flange	32.0	20.0	0.2 – 10	2.25	134 542	134 543	134 545		
Flange	40.0	20.0	0.2 – 10	2.70	134 546	134 547	134 549		
Flange	50.0	40.0	0.2 – 10	4.80	134 550	134 551	134 553		

Delivered as circuit function A

Change to circuit function B by turning the pilot drive through 180° (only for 10 bar version)

Flow rate Kv value water [m³/h]	measured at +20°C, 1 bar pressure at valve inlet and free outlet
Pressure values [bar]	Overpressure to the atmospheric pressure

i Further versions on request

 **Spannung**
110/50-60

 **Approvals**
UL, UR, CSA, Hazardous Locations Expl. proof, EEx m/ed, CGA/AGA

 **Additional**
With optical or electrical feedback

 **Pressure**
Pressure range up to 16 bar

Materials

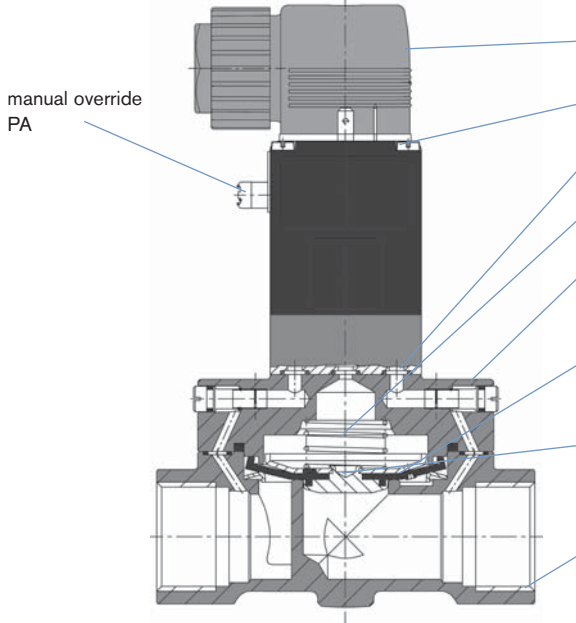


Diagram showing the internal components of the valve assembly with callouts to various parts.

Cable plug: Polyamide

Coil: Epoxy

O-rings: NBR, EPDM, FKM

Springs: 1.4310 stainless steel

Cover: Brass
1.4581 stainless steel

Diaphragm: NBR, EPDM, FKM

Diaphragm support: Brass,
1.4581 stainless steel

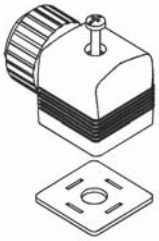
Valve body: Brass
1.4581 stainless steel

manual override
PA

Ordering chart Accessory (Cable plug acc. to DIN EN 175301-803 Form A (previously DIN 43650))

The delivery of a cable plug includes the flat seal and the fixing screw. For other cable plug versions acc. to DIN EN 175301-803 Form A (previously DIN 43650), see data-sheet Type 2508.

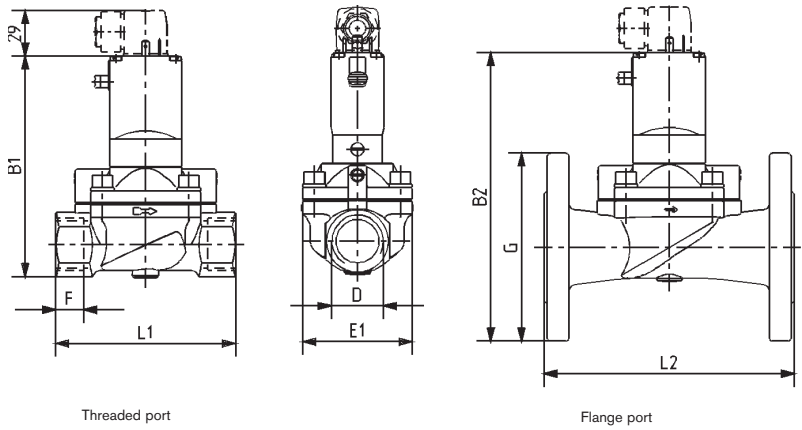
Circuitry	Voltage	Item no.
None (standard)	0-250 V	008 376
with LED	12-24 V	008 360
with LED and varistor	12-24 V	008 367
with rectifier, LED and varistor	12-24 V	008 363
with LED	200-240 V	008 362
with LED and varistor	200-240 V	008 369
further versions see datasheet Type 2508		



Cable plug acc. to DIN EN 175301-803 Form A (previously DIN 43650)

Dimensions [mm]

Threaded port						Flange port		
DN	D	B1	E1	F	L1	B2	G	L2
13	G 1/2	123.0	40	14	65	–	–	–
20	G 3/4	131.0	60	16	100	–	–	–
25	G 1	141.0	70	18	115	184.5	120	160
32	G 1 1/4	147.0	85	20	126	192.0	140	180
40	G 1 1/2	156.0	85	22	126	201.0	150	200
50	G 2	177.5	115	24	164	225.0	165	230
65	G 2 1/2	185.0	115	27	180	–	–	–



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In case of special application conditions,
please consult for advice.

We reserve the right to make technical
changes without notice.

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