



2/2-way Solenoid Valve for liquids and gases, 0 - 10 bar, G 1/2 - G 1

- Switches without differential pressure
- For gases and liquids
- Forced coupled diaphragm system
- Push-over coil with high performance
- Anti-waterhammer
- High flow rate (K_v value)

Type 6213 HP can be combined with...



Type 2508
Cable plug



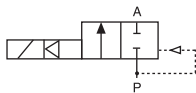
Type 1078
Timer unit

The valve switches without differential pressure from zero bar. Pilot-controlled normally-closed valve with servo-diaphragm and forced valve lifting.

Note

The differences between standard version 6213 and Type 6213 HP - high performance valve are the higher spring forces combined with high power coils. It is therefore optimised for usage with liquids and gases and opens without differential pressure from zero bar.

Circuit function A



Servo-assisted 2/2-way valve, normally closed, with 2-way pilot control

Technical data	
Orifice	DN 13 - 20
Body material	Brass acc. to DIN EN 50930-6, (stainless steel on request)
Coil material	Epoxy
Coil insulation class	H
Inner part of valve	Stainless steel and PPS
Seal material	NBR, FKM, EPDM
Media	neutral liquids, water, hydraulic oil, oil and fats without additives, compressed air, technical vacuum
Media temperature	
NBR	-10 to +80°C
FKM	0 to +120°C
EPDM	-30 to +120°C
Ambient temperature	max. +55°C
Voltages	24 V DC 24/230 V 50-60 Hz (other voltages on request)
Voltage tolerance	±10%
Duty cycle	100% continuous rating
Electrical connection	Tag connector acc. to DIN EN 175301-803 Form A (previously DIN 43650) for cable plug Type 2508 (see Ordering chart for accessory)
Protection class	IP 65 with cable plug
Installation	As required, preferably with actuator upright
Response times ¹⁾	150 - 1000 ms (depending on orifice and differential pressure)

¹⁾ Measured at valve outlet at 6 bar and +20°C

Opening pressure build-up 0 to 90%
Closing pressure decay 100 to 10%

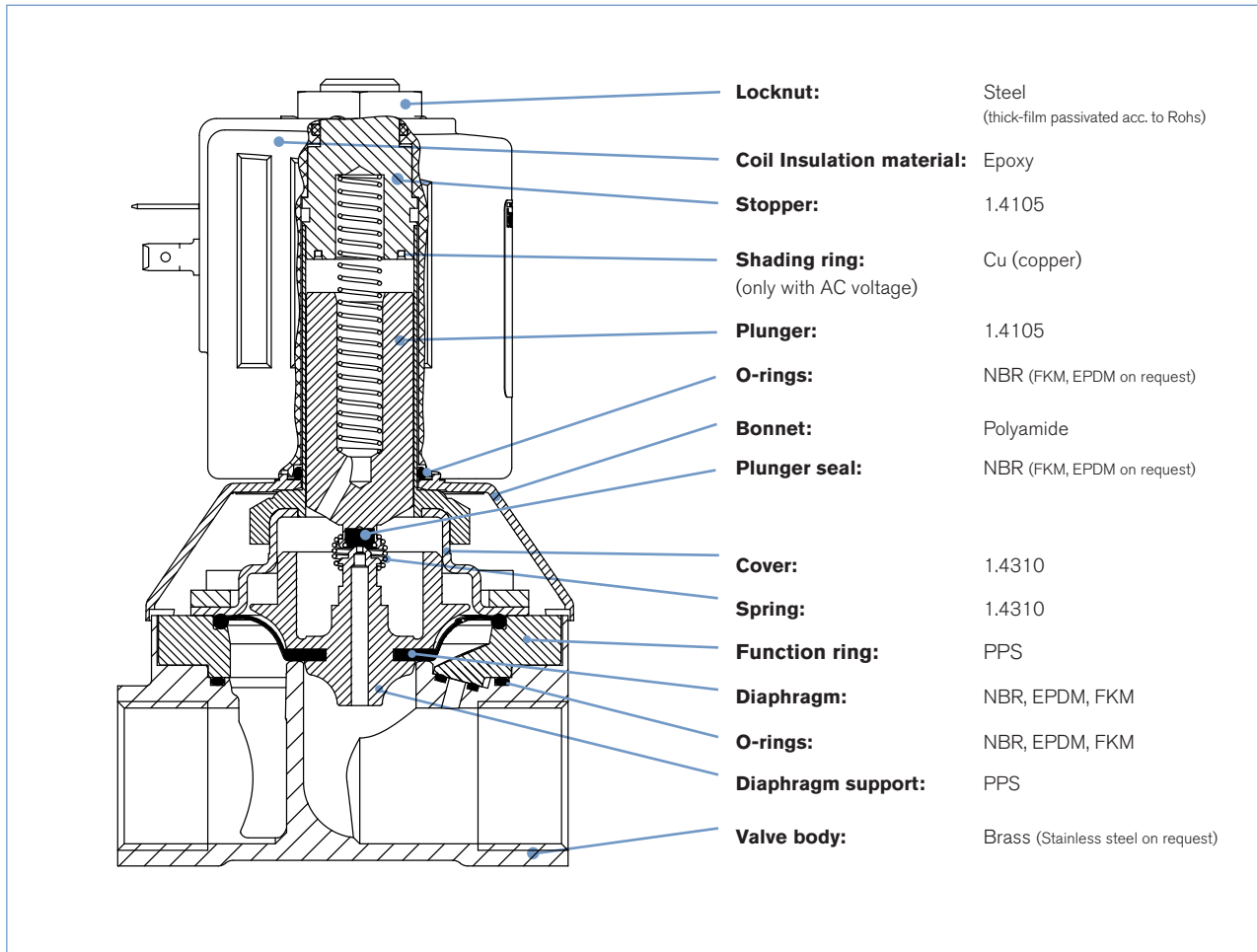
Technical data

Power consumption

Orifice [mm]	Port connection	Coil size width [mm]	Inrush AC [VA]	Hold (hot coil) ¹⁾		Weight [kg] DC/AC coil
				AC [VA/W]	DC [W]	
13	G1/2	42	125	37/16	16 (17)	0.81
13	G3/4	42	125	37/16	16 (17)	0.85
20	G3/4	42	140	37/16	16 (17)	1.09
20	G1	42	140	37/16	16 (17)	1.3

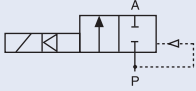
¹⁾ Values in brackets applies at coil temperature 20 °C

Material



Ordering chart for valves (other versions on request)

Valves with brass body, without cable plug

Circuit function	Port connection	Orifice [mm]	Kv value water [m ³ /h] ¹⁾	Pressure range [bar] ²⁾	Item no. per voltage/frequency [V/Hz]		
					024/DC	024/50-60	230/50-60
A 2/2-way valve NC 	Brass body, diaphragm NBR						
	G 1/2	13	3.6	0 - 10	206 727	206 726	206 728
	G 3/4	13	3.6	0 - 10	206 730	206 729	206 731
	G 3/4	20	8.3	0 - 10	206 733	206 732	206 735
	G 1	20	8.3	0 - 10	206 737	206 736	206 738
	Brass body, diaphragm EPDM						
	G 1/2	13	3.6	0 - 10	206 740	206 739	206 741
	G 3/4	13	3.6	0 - 10	206 743	206 742	206 744
	G 3/4	20	8.3	0 - 10	206 746	206 745	206 747
	G 1	20	8.3	0 - 10	206 749	206 748	206 750
	Brass body, diaphragm FKM						
	G 1/2	13	3.6	0 - 10	206 752	206 751	206 753
	G 3/4	13	3.6	0 - 10	206 756	206 755	206 757
	G 3/4	20	8.3	0 - 10	206 759	206 758	206 760
G 1	20	8.3	0 - 10	206 762	206 761	206 763	

¹⁾ Measured at +20°C, 1 bar ²⁾ pressure at valve inlet and free outlet, ²⁾ Pressure data [bar]: Overpressure with respect to atmospheric pressure.

Please note that the cable plug has to be ordered separately, see Ordering chart for accessory below and separate datasheet, Type 2508

i Further versions on request



Port connection
NPT, Rc thread




Voltage
Non-standard voltages

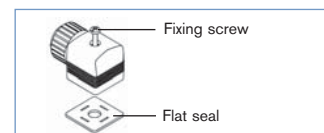


Material
Body: stainless steel

Ordering chart for accessory

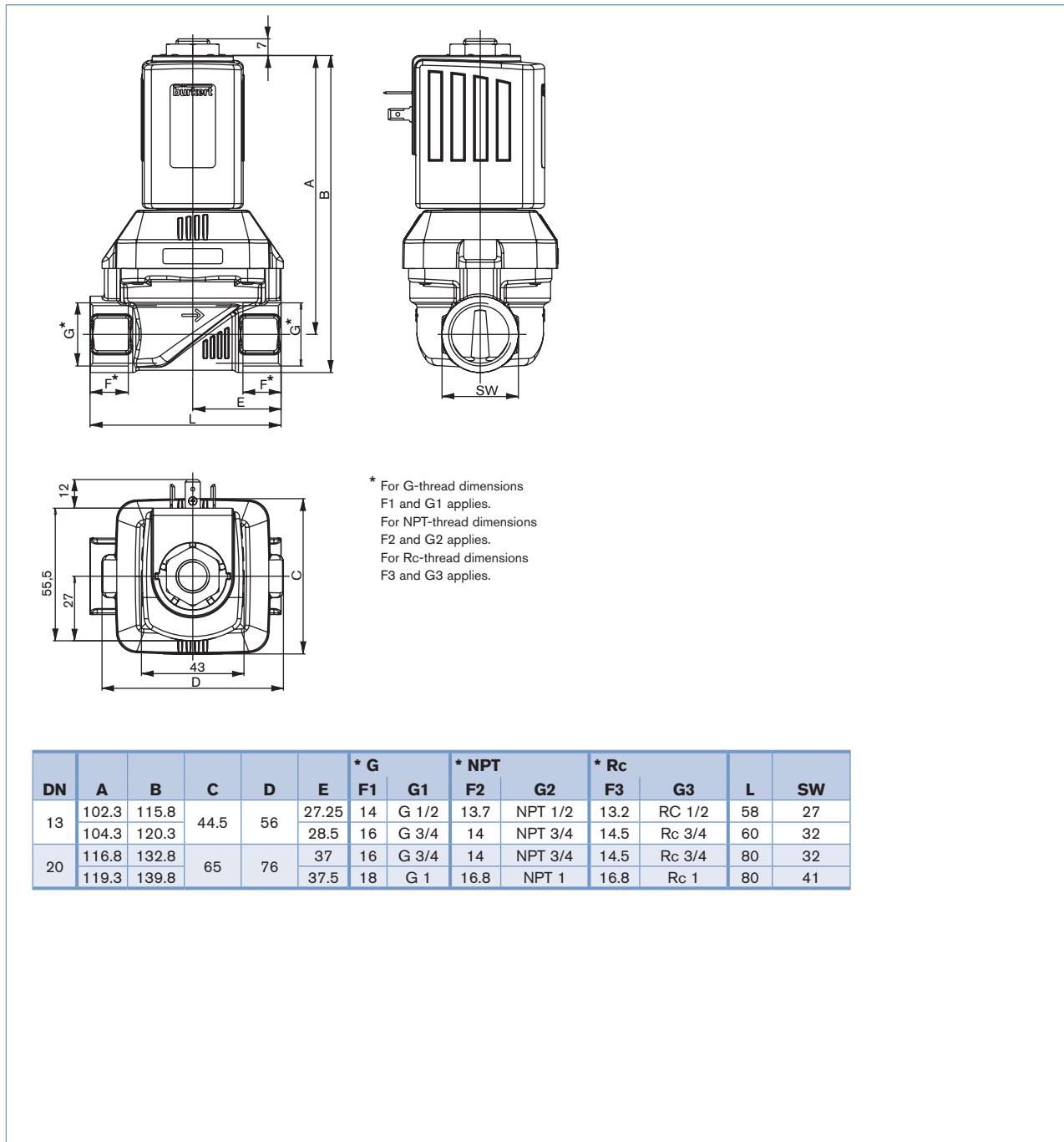
Cable plug Type 2508 according to DIN EN 175301-803 Form A

	Circuitry	Voltage / frequency	Item no.
	None (standard)	0 - 250 V AC/DC	008 376
	further versions see datasheet Type 2508		



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 Accessories or separate datasheet Type 2508.

Dimensions [mm]



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