

# 82530

## 2/2 way valves (solenoid actuated)

### 1/4" ... 1/2"



- Small size drain or shut off valve
- Suitable for vacuum
- Compact solenoid with integrated core tube
- Valve operates without differential pressure
- Brass body
- Wide temperature range
- Shock and vibration tested to EN 61373, Category 1, class A and B



### Technical features

#### Medium:

Neutral gases and liquids  
e. g. air, water, oil

#### Operation:

Solenoid actuated,  
with forced lifting

#### Mounting:

Internal threads

#### Port size:

G1/4 ... G1/2 or  
1/4 NPT ... 1/2 NPT

#### Operating pressure:

0 ... 10 bar (0 ... 145 psi)

#### Fluid temperature:

-10 ... +90°C (14 ... +194°F)

#### Ambient temperature:

-10 ... +50°C (14 ... +122°F)

#### Storage temperature:

-40°C (-40°F)

Air supply must be dry enough  
to avoid ice formation at  
temperatures below +2°C (+35°F).

#### Materials

Body: brass

Seat seal: NBR diaphragm  
(EPDM or FPM optional)

### Electrical details for solenoid operators

Design	DIN VDE 0580
Voltage range	±10%
Duty cycle	100% ED
Protection class	EN 60529 IP65
Socket	Form A acc. to DIN EN 175301-803 (included)

According to DIN VDE 0580 at coil temperature of +20°C. In operation the power consumption of the solenoid decreases by approx. 30%.

### 2/2 way normally closed valves

Symbol	Port size	Orifice (mm)	Flow kv value (m <sup>3</sup> /h)	Operating pressure (bar)	Weight (kg)	Model
	G1/4	10	1,5	0 ... 10	0,5	8253000.8001.xxxxx
	1/4 NPT	10	1,5	0 ... 10	0,5	8263000.8001.xxxxx
	G3/8	10	1,7	0 ... 10	0,5	8253100.8001.xxxxx
	3/8 NPT	10	1,7	0 ... 10	0,5	8263100.8001.xxxxx
	G1/2	10	1,7	0 ... 10	0,6	8253200.8001.xxxxx
	1/2 NPT	10	1,7	0 ... 10	0,6	8263200.8001.xxxxx

xxxxx Please insert voltage and frequency codes from page 2

### Option selector

**82★3★ ★★.★ ★★.★ ★★.★ ★★**

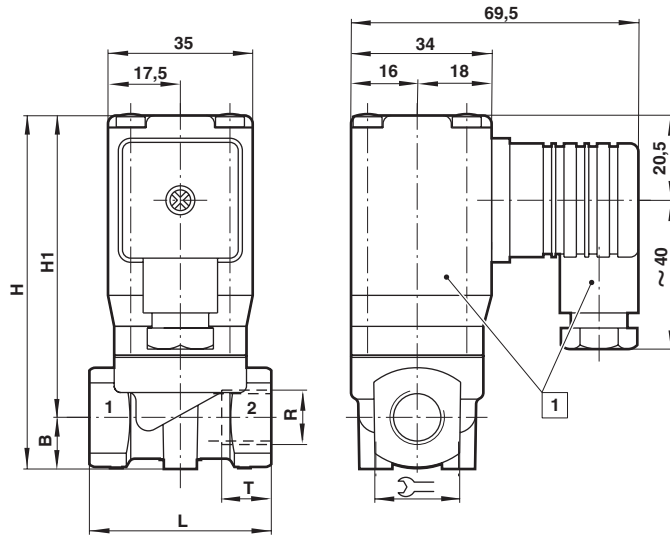
<b>Thread form</b>	Substitute		<b>Frequency</b>	Substitute
ISO G parallel	5		See table frequency codes	xx
NPT	6		<b>Voltage</b>	Substitute
<b>Port size</b>	Substitute		See table voltage codes	xxx
1/4"	0		<b>Solenoid system</b>	Substitute
3/8"	1		Standard	8000
1/2"	2			
<b>Valve options</b>	Substitute			
Without	00			
Seat seal FPM	03			
Seat seal EPDM	14			

## Voltage and frequency codes

Code Voltage	Code Frequency	Voltage	Frequency	Power consumption Inrush	Power consumption Hold
024	00	24 V d.c.	-	12 W	12 W
036	00	36 V d.c.	-	12 W	12 W
110	00	110 V d.c.	-	12 W	12 W
024	50	24 V a.c.	50 Hz	20 VA	20 VA
110	50	110 V a.c.	50 Hz	20 VA	20 VA
230	50	230 V a.c.	50 Hz	20 VA	20 VA
120	60	120 V a.c.	60 Hz	20 VA	20 VA
220	60	220 V a.c.	60 Hz	20 VA	20 VA

## Basic dimensions

Dimensions shown in mm  
Projection/First angle



- 1 Solenoid rotatable 4 x 90°  
Socket turnable 4 x 90° (socket included)

Supply port	Orifice (mm)	B	H	H1	L	T		Model
G1/4	10	14	87	73	44	12	21	8253000.8001
1/4 NPT	10	14	87	73	44	10	21	8263000.8001
G3/8	10	14	87	73	44	12	21	8253100.8001
3/8 NPT	10	14	87	73	44	10	21	8263100.8001
G1/2	10	14	90	74,5	60	15	27	8253200.8001
1/2 NPT	10	14	90	74,5	60	13	27	8263200.8001

## Special applications

Symbol	Application	Port size	Orifice (mm)	Flow kv value (m <sup>3</sup> /h)	Operating pressure (bar)	Fluid temperature	Ambient/ Pilot temperature	Sealing	Voltage (V d.c.)	Model
	Clean water /air	G1/4	4	0,37	0 ... 0,25	-10 ... +90°C	-10 ... +50°C	NBR	24	8496874.8080.02400
	Hand wash basin tab	G1/4	5	0,17	0 ... 0,2	0 ... +50°C	0 ... +50°C	EDPM	24	8495896.8087.02400
	Hand wash basin tab	G1/4	5	0,17	0 ... 0,2	0 ... +50°C	0 ... +50°C	EDPM	36	8495896.8087.03600
	Hand wash basin tab	G1/4	5	0,17	0 ... 0,2	0 ... +50°C	0 ... +50°C	EDPM	110	8495896.8087.11000
	Clean water /air	G3/8	10	1,7	0 ... 1,0	0 ... +40°C	-10 ... +40°C	NBR	24	8497834.8080.02400

## Warning

These products are intended for use in industrial compressed air and rail transport systems only. Do not use these products where pressures and temperatures can exceed those listed under 'Technical features'.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult NORGREN.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.