

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Visit our website - *Click HERE*

- > Port size: 1/4" to 2" NPT
- > High flow rate
- > Anti-water hammer
- > Compact design
- > General purpose coils



Technical features

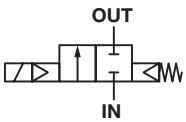
Media:
Neutral gases and liquids
Switching function:
Normally closed
Type:
Pilot operated
Mounting position:
Optional, preferably solenoid vertical on top
Flow:
Arrow on body bottom indicates flow direction

Material:
Body: Brass (CW617N)
Seat seal: NBR
FKM, EPDM available
Internal parts: Stainless steel, PVDF, Copper
For contaminated fluids insertion of a strainer is recommended.

Coil enclosure:
ANSI/NEMA 4, 4X
Electrical connection:
1/2" conduit hub w/24" leads
DIN 43560 A
Duty cycle:
100%
Coil:
Class H
Voltage range: ±10%

Fluid temperature:
14°F to 194°F (-10°C to 90°C)
Ambient temperature:
14°F to 122°F (-10°C to 50°C)
Agency approvals:
Coil: UL 429, CSA
CE

Technical data - standard models

Symbol	Port size NPT	Orifice (inch)	Flow (Cv)	Operating pressure* (PSI)	Weight (lbs)	Model
	1/4	5/16	2.3	1.45 to 232	1.0	8241000.xxxx.xxxxx
	3/8	3/8	3.6	1.45 to 232	1.0	8241100.xxxx.xxxxx
	1/2	1/2	4.5	1.45 to 232	1.1	8241200.xxxx.xxxxx
	3/4	3/4	7.3	1.45 to 232	1.4	8241300.xxxx.xxxxx
	1	1	11.4	1.45 to 232	2.1	8241400.xxxx.xxxxx
	1-1/4	1-1/4	27.6	1.45 to 145	6.0	8241500.xxxx.xxxxx
	1-1/2	1-1/2	30.0	1.45 to 145	5.6	8241600.xxxx.xxxxx
	2	2	49.2	1.45 to 145	8.5	8241700.xxxx.xxxxx

xxxx.xxxxx See chart for coil and voltage code
* For gases and liquid fluids up to 25 mm2/s (cSt). When using EPDM seals the minimum operating pressure differential is 4.35 psi.

Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specifications given in this document. © 2016 Norgren, Inc.

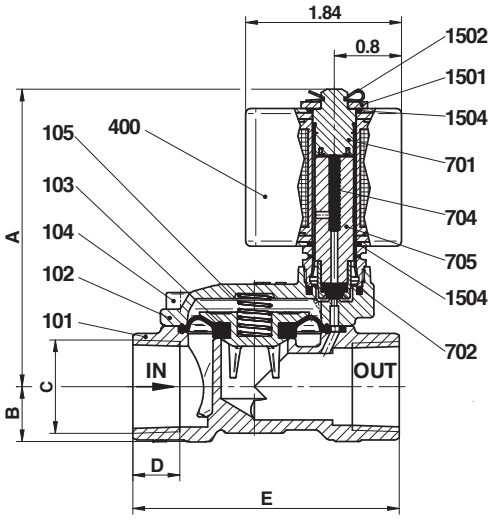
Option selector

8241★★★.★★★★.★★★★★

Port size	Substitute
1/4	0
3/8	1
1/2	2
3/4	3
1	4
1-1/4	5
1-1/2	6
2	7
Valve options	**Substitute**
Seat seal NBR, Fluid temperature 14°F to 194°F (-10°C to 90°C)	00
Seat seal FKM, Fluid temperature 23°F to 230°F (-5°C to 110°C)	03
Seat seal EPDM, for hot water Fluid temperature 14°F to 230°F (-10°C to 110°C)	14

Voltage volts	Frequency hertz	Nominal Power DC (watts)	AC (watts)	Part number code
12	–	11.0	–	01200
24	–	9.3	–	02400
120	60	–	7.9	12060
Solenoid options				**Substitute**
1/2" conduit with leads				6852
DIN connection				6850

Section view



No.	Description
101	Valve body
102	Valve cover
*103	Diaphragm
104	Allen head screw
*105	Pressure spring
400	Solenoid
701	Core tube
*702	O-ring
*704	Pressure spring
*705	Plunger
1501	Washer
1502	Spring clip

* These individual parts form a complete repair kit.
When ordering repair kits please state Model No. and Series No.

Dimensions* (inches)

Port size	A	B	C	D	E	Type
1/4"	3.34	0.45	1/4" NPT	0.40	2.36	8241000.xxxx.xxxxx
3/8"	3.34	0.45	3/8" NPT	0.40	2.36	8241100.xxxx.xxxxx
1/2"	3.33	0.55	1/2" NPT	0.54	2.64	8241200.xxxx.xxxxx
3/4"	3.52	0.65	3/4" NPT	0.56	3.15	8241300.xxxx.xxxxx
1"	3.72	0.81	1" NPT	0.67	3.74	8241400.xxxx.xxxxx
1-1/4"	4.46	1.14	1-1/4" NPT	0.68	5.20	8241500.xxxx.xxxxx
1- 1/2"	4.46	1.14	1-1/2" NPT	0.68	5.20	8241600.xxxx.xxxxx
2"	4.96	1.29	2" NPT	0.70	6.30	8241700.xxxx.xxxxx

* Outline drawing is part number 8241300, other dimensions are not to scale.

Warning
Improper selection, misuse, age or malfunction of components used in systems can cause failure in various modes. The system designer is warned to consider the failure modes of all component parts and to provide adequate safeguards to prevent personal injury or damage to equipment or property in the event of such failure modes. System designers and end users are cautioned to consult instruction sheets and specifications available from the factory. The system designer/end user is responsible for verifying that all requirements for the application are met.

Warranty
The products described herein are warranted subject to seller's Standard Terms and Condition of Sale, available at seller's website.

Proposition 65: These products may contain chemicals known to the state of California to cause cancer, or birth defects, or other reproductive harm.

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Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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