DATA SHEET

Type 0355

bürkert
FLUID CONTROL SYSTEMS

Plunger valve 3/2 way direct-acting

- 3/2 way seat valve direct-acting
- Push-over coil system
- Medium temperature up to +180 °C
- For liquid and gaseous media

Product variants described in the data sheet may differ from the product presentation and description.

Can be combined with

Type 1087 ▸
Timer

Type 2518 ▸
Cable Plug DIN EN 175301-803 - Form A

Type description

Direct-acting plunger solenoid valve Type 0355 for controlling hot media such as steams, oils and gases

DTS 1000010931 EN Version: H Status: RL (released | freigegeben | validé) printed: 21.04.2021

Visit product website ▸

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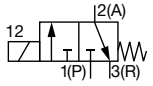
1. General Technical Data

Product properties	
Dimensions	Detailed information can be found in chapter "4. Dimensions" on page 5.
Material	
Seal	NBR, FKM, PTFE, EPDM
Body	Brass with stainless steel seat 1.4305, stainless steel 1.4581
Coil	Epoxy
Inner part of valve	Stainless steel
Nominal diameter	DN 2.0…DN 4.0
Thermal insulation class of solenoid	H
Electrical data	
Power consumption	
Inrush	AC: 35…40 VA
Hold (hot coil)	AC: 16 VA/10 W DC: ca. 12 W
High temperature coil CF07	Cold performance: 35 W Warm performance: 15 W
High temperature coil CF09	Cold performance: 13 W Warm performance: 7 W
Voltage tolerance	±10 %
Duty cycle	100 % continuous operation
Medium data	
Medium temperature	
NBR	-10 °C…+90 °C
EPDM	-40 °C…+130 °C
FKM	0 °C…+130 °C
PTFE	-40 °C…+180 °C
Operating medium	
NBR	Neutral fluids, hydraulic oil, oil without additives
EPDM	Oil and fat-free fluids
FKM	Per-solutions, hot oils with additives
PTFE	Steam, organic solvents
Process/Port connection & communication	
Electrical connection	Tag connector acc. to DIN EN 175 301-803 Form A for cable plug Type 2508 (supplied as standard)
Approvals and certificates	
Degree of protection	IP65 with cable plug IP50 without cable plug for high temperature devices
Environment and installation	
Installation position	Any, preferably actuator face up
Ambient temperature	Max. +55 °C (+200 °C on request, see "5.3. Ordering chart" on page 7)

2. Circuit functions

Circuit functions	Description
	**Type: C, solenoid valve** 3/2 way Direct-acting Normally closed

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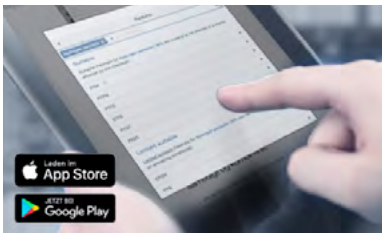
3. Materials

3.1. Chemical Resistance Chart – Bürkert resistApp

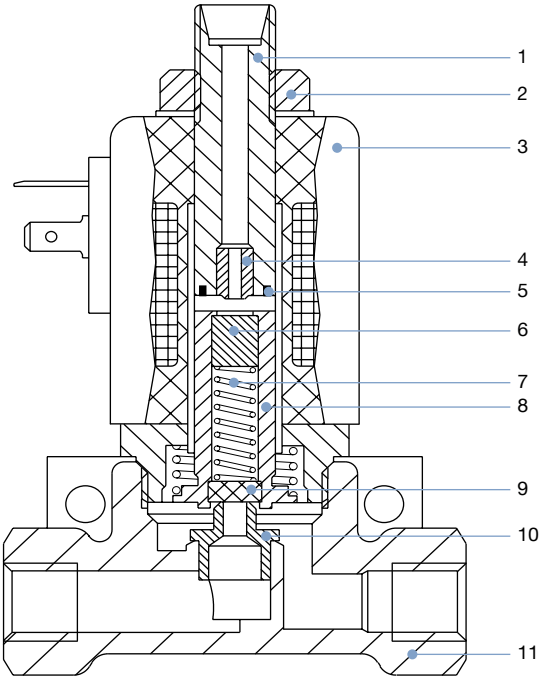


Bürkert resistApp – Chemical Resistance Chart

You want to ensure the reliability and durability of the materials in your individual application case? Verify your combination of media and materials on our website or in our resistApp.

Start Chemical Resistance Check

3.2. Material specifications



No.	Element	Material
1	Stopper	Stainless steel 1.4105
2	Locknut	Steel (thick-film passivated acc. Rohs)
3	Coil	Epoxy
4	Valve Seat	Stainless steel 1.4305
5	Shading ring	Copper (brass version), only AC Silver (stainless steel version), only AC
6	Seal	EPDM, NBR, PTFE, FKM
7	Spring	Stainless steel 1.4310
8	Plunger	Stainless steel 1.4105
9	Seal	EPDM, NBR, PTFE, FKM
10	Valve Seat	Stainless steel 1.4305
11	Body	Brass or stainless steel 1.4581

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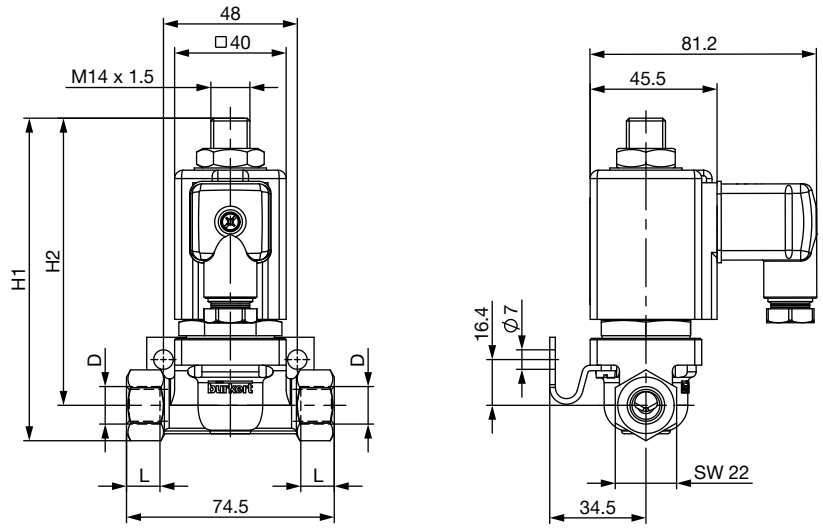
4. Dimensions

4.1. Stainless steel version

Note:
Dimensions in mm

Illustration stainless steel housing



D	L	H1	H2
NPT ¼	10	115.5	103
G ¼	12		

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