

Absolute switching reliability –
suitable for universal mounting:

Valves for the chemicals industry and process engineering



burkert
FLUID CONTROL SYSTEMS

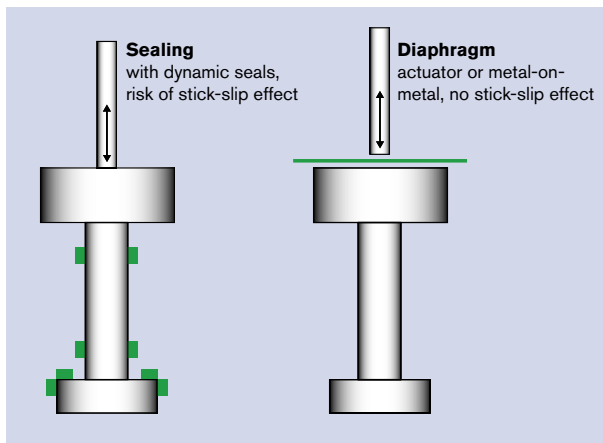
- Reliable switching, no stick-slip effect
- One valve “for all”
- Linear, reciprocating or NAMUR technology in one valve
- Universal functionality and thus fewer variants
- Easy-to-mount
- TÜV-certified, compliant with SIL in accordance with IEC 61508
- Extremely reliable, i.e. more cost-efficient

Reliability – the Basis of Higher Productivity

In the chemicals industry, the functional reliability and safety of system components are crucial factors in preventing hazardous incidents. Bürkert technology assures and protects you in this respect. The universal design of our certified, reliably switching valves enhances productivity and saves on installation and storage costs.

Point 1: Reliable Switching

Type 6015/6531/6532 valves are ideally suited for mounting on process valves in process engineering applications. The 6531/6532 types do not feature dynamic seals that can lead to the stick-slip effect, but employ a diaphragm actuator instead. The actuator ensures optimum switching reliability, even with valves that have long service lives.



Point 2: Universal Use

Our new valve concept offers the two most common types of technology: 1) pressure-relieved 3/2-way valves with a universal function and 2) piloted valves without a seal ring in the form of 3/2-way universal valves for internal air or external air.

Mounting is extremely simple, and a high degree of standardization for controlling linear and reciprocating actuators can be achieved with only a few variants. "One valve for all" is therefore not just a theoretical promise. It is a concept that has been implemented specifically to meet your needs.

The 3/2-way valve range is particularly suitable for safety functions on shut-off valves and control valves. Moreover, adding 5/2-way functions for double-acting actuators offers all conceivable applications for controlling process valves.



Type 6015 with pressure relief

Other advantages:

- Rugged, easy-to-install design
- Universal functionality reduces the number of variants
- Use in high and low temperature environments
- Corrosion protection of the actuators due to integrated spring compartment aeration
- Available with threaded connection or as a universal version with a combination of threaded and NAMUR connection in sizes G1/4 to G1/2



Point 3: Minimized Costs

Our special-purpose solenoid valves for the chemicals industry save both time and money. The reason: they can be mounted universally:

- on linear and reciprocating drives,
- on the basis of standard mounting in accordance with NAMUR,
- and when used as single or NAMUR valve.

This enables us to decrease the number of mounting variants while simultaneously reducing installation, warehousing and training costs. And speaking of “wiring costs”: we will be pleased to show you specific alternatives to conventional wiring. Profit from the savings potentials in the practical field or with fieldbus technology!

Point 4: All Required Approvals Included

Both the mechanical construction and intended use of the modules and components used in our range of valves designed specifically for the chemicals industry meet the following regulations and classifications:

- Explosion protection in accordance with ATEX or IEC
- TÜV-certified, compliant with SIL in accordance with IEC 61508

Point 5: Special Solutions for Any Architecture

You can even cost-efficiently implement the following architectures with our technology:

- Valve island with digital and analog inputs for Zone 2
- Valve island in combination with Siemens ET 200S module for Zone 1
- Process valves as seat valves or diaphragm valves with Ex “ia” control head
- Ex “m” valves in combination with I/O box with 4 outputs/8 inputs for PROFIBUS PA or Fieldbus FOUNDATION



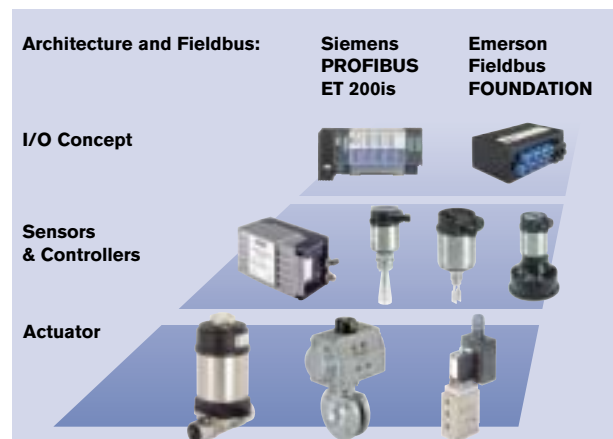
Typ 6531/6532

Self-contained solutions in the explosion-hazard area: High-end technology from the coordinating level up to the actuator



Only Bürkert can provide a universal overall concept for your process automation:

- allowing integration of all major fieldbus protocols,
- allowing coverage of all explosion-hazard zones, and
- in which all components from the coordinating level up to the actuator come from a single source.



Australia

Burkert Contromatic Australia Pty. Ltd.
Norwest Business Park, 15 Columbia Way
Baulkham Hills, NSW 2153
Tel. +61 1300 888 868 | Fax +61 1300 888 076

Denmark

Bürkert-Contromatic A/S
Hørkær 24
DK-2730 Herlev
Tel. +45 44-50 75 00 | Fax +45 44-50 75 75

Great Britain

Burkert Contromatic Limited
Briscombe Port Business Park
Briscombe, Stroud
Glos, GL5 2QQ
Tel. +44 (0)1453-73 13 53 | Fax +44 (0)1453-73 13 43

India

Burkert Contromatic PVT Ltd.
Apex Towers, 1st Floor, No. 54 II Main Rd
RA Puram
Chennai 600 028
Tel. +91 (0)44-4230 3456 | Fax +91 (0)44-4230 3232

Netherlands

Bürkert Contromatic BV
Computerweg 9
NL-3542 DP Utrecht
Tel. +31 (0)346-58 10 10 | Fax +31 (0)346-56 37 17

New Zealand

Burkert Contromatic New Zealand Ltd.
2A, Unit L, Edinburgh Street
Penrose, Auckland
Tel. +64 (0)9-622 28 40 | Fax +64 (0)9-622 28 47

Deutschland

Bürkert Fluid Control Systems
Christian-Bürkert-Straße 13–17
74653 Ingelfingen

Tel. +49 (0)7940/10-111
Fax +49 (0)7940/10-448

info@burkert.com
www.burkert.com

Norway

Bürkert-Contromatic A/S
Hvamstubben 17
NO-2013 Skjetten
Tel. +47 63-84 44 10 | Fax +47 63-84 44 55

Singapore

Burkert Contromatic Singapore Pte. Ltd.
51 Ubi Avenue 1, #03-14, Paya Ubi Industrial Park
Singapore 408933
Tel. +65 6844 2233 | Fax +65 6844 3532

South Africa

Bürkert Contromatic (Pty) Ltd.
233 Albert Amon Road, Millennium Business Park
Meadowdale, Germiston
Tel. +27 (0)11-574 60 00 | Fax +27 (0)11-454 14 77

Sweden

Bürkert-Contromatic AB
Skeppsbron 13 B
SE-211 20 Malmö
Tel. +46 (0)40-664 51 00 | Fax +46 (0)40-664 51 01

Taiwan

Burkert Contromatic Taiwan Ltd.
9F, No. 32, Chenggong Road, Sec.1
Nangang District
Tapei 115 / Taiwan, R. O. C.
Tel. +886 (0)2-2653 7868 | Fax +886 (0)2-2653 7968

For information on further Bürkert locations please contact our headquarters in Ingelfingen, Germany.