



bürkert
FLUID CONTROL SYSTEMS

DISTRIBUTOR NEWSLETTER

Q4 2021

[Why the Type 8681 Universal Control Top by Burkert](#)

What makes the Burkert solution more appealing than the controller from the valve manufacturer? Lots of things!

[8681 Opportunities are Ripe with DeviceNet Retirement](#)

DeviceNet is old & stale. As it reaches retirement, the time to upgrade tech is now.

[The "IT" List – Top Sellers from the QDP!](#)

Our top 3 sellers in 2021 quantity sold from the Quick Delivery Program



*As seen on
LinkedIn
Rodem
Celebrates 50
Years!*

Type 8681 Control Top



- Smart control head for use with hygienic process valves
- Flexibility via universal attachment to all third-party valve manufacturers
- Performs pneumatic actuation, feedback and diagnostic functions, as well as network communication
- Automatically adjust 3 switching positions with the Teach-In Function
- Wide range of discrete and fieldbus communication interfaces available:
 - ✓ 24 VDC
 - ✓ 120 VAC
 - ✓ AS-I 3.0
 - ✓ bÜS/CANopen
 - ✓ IO-Link Port Class A
 - ✓ IO-Link Port Class B



Many variables with one common intelligence...

Alfa Laval
 Südmo
 GEA
 GEA Tuchenhagen
 BARDIANI VALVOLE
 tyco valves & controls
 KIESELMANN
 TECHNOLOGIE UND KNOW HOW IN EDELSTAHL
 Cipriani Harrison Valves Corp.
 Engineered in Germany

Why the Type 8681?

- Simplified maintenance and diagnostics with colored LEDs
- “FreshAIR” overpressure design protects electronics during wash down
- IP69K according to IEC 40050-9
- Manufactured from chemical-resistant materials for use in harsh environments: food & beverage, pharma, nutraceutical, etc.
- Manual override with closed housing – less downtime
- Flowrates independently adjustable up to 200 lpm (open/close)
- End users can define one standard at their plant
- FM CL1D2 NI and UL Approved versions available
- Compatible with all valve brands on the market
- Assembled in the USA, part of QDP Program



8681 install before and after...

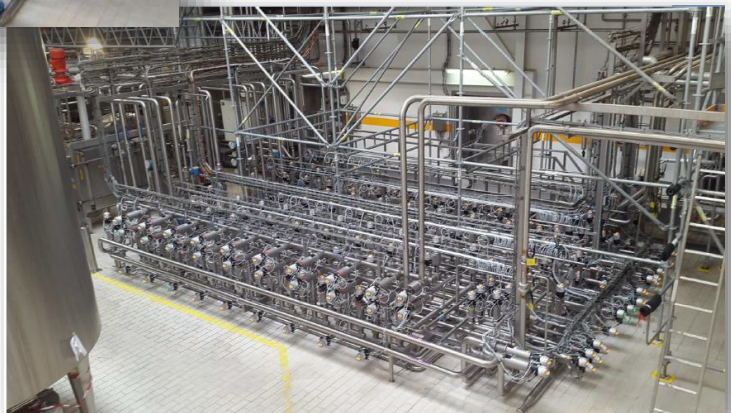


Before

- Multiple control heads from varying manufacturers means a harsh learning curve for new personnel and set-up
- Different communication software/programming for each
- Varying levels of visual position indication
- Need a replacement head? Which one??
- Does not look clean at all! (not important, but still noticeable)

After

- One control head to rule them all
- Single communication software/programming for each
- Consistent visual position indication
- Replacement needed? No problem. All use the same head and you can keep one of each adapter on hand for each valve type.
- Looks smooth and cohesive (again, not relevant to the process, but first impressions matter)




“I Need A” Type 8681 – [Quick Spec Form](#)

Not sure exactly the item # you need for your Type 8681 Application? Why guess! Simply use the “I Need A” page (found in the [Distributor Toolbox](#)) to help provide our Tech Team with details on your application and let them provide you with the correct ID.

'I need a' Type 8681 Universal Control Top

Help us specify the perfect Type 8681 Universal Control Top for your application by completing the information below.



Control head for decentralized automation of hygienic process valves ▶

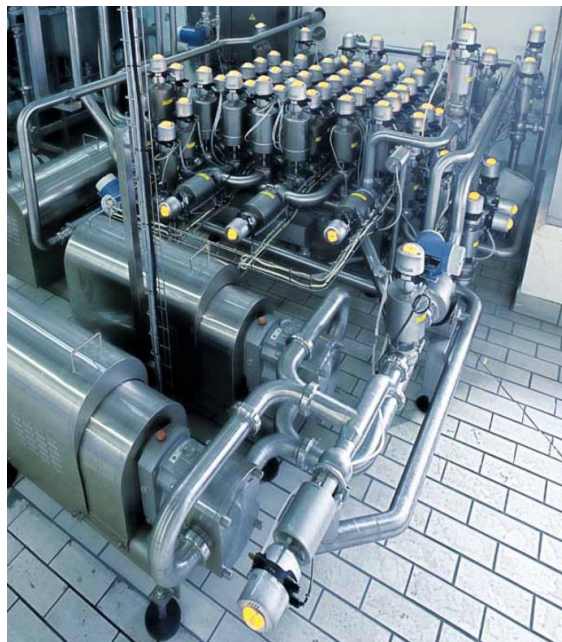
Type 8681

- Universal attachment for hygienic process valves
- Contactless position measurement system with 3 switching points (Teach-In function)
- Coloured status display
- Manual override operative with closed housing
- AS-Interface, DeviceNet, IO-Link, busS/CANopen

Type 8681 Control Head [Success Story](#) Cheese Production Application Case Study

The Type 8681 control head was especially developed by Bürkert for the decentralized automation of sanitary globe, butterfly and ball process valves. It complements the control heads, digital positioners and process controllers in Bürkert's ELEMENT range and is used to equip decentralized automation facilities for the dairy, brewery and other food and beverage industries.

Universally adaptable, the control head can be installed on all types of valves available off the shelf, like seat valves (single and double seat valves), butterfly valves and ball valves. It is particularly suited to hygienic environments thanks to its hygienic design, its protection rating and its resistance to chemical cleaning products. In the context of decentralized automation concepts with fieldbus communication protocols, the control head executes all pneumatic commands, position feedback functions and diagnostics. Depending on the process valve, it can control up to three actuator chambers separately.



'I need a' Type 8681 Universal Control Top
Please fill out the information below:

Email Address*

Personal Data*

First and Last Name*

Company Name*

Phone Number*

Who is the best contact that processed this survey?

Number of valves**

1
 2
 3
 4
 5
 Other (specify)

If 2 valves or more for a P&ID (Pneumatized With Overhaul) application**

Yes
 No
 Not applicable

Communication*


AS-IOCT
 AS-IOCT
 AS-IOCT System Interface
 DeviceNet
 IO-Link
 IO-Link (Bürkert busS)

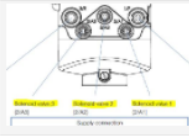
Construction Type*

Cylindrical compression valve fitting (both sides mounted on external piping) in the only option

W17 plug-in for RC 6076 2 1/2" 3/4" and 1" valve
 W17 plug-in for RC 6076 2 1/2" 3/4" and 1" valve with external O2 for valve up to valve RC 6000
 W17 plug-in for RC 6076 2 1/2" 3/4" and 1" (P&ID Class 1) or 1" per Part 8681 x 1.5 (P&ID Class 2) and valve 1.5" or 2"
 W17 plug-in for RC 6076 2 1/2" 3/4" and 1" valve
 Cable Head

Manual Magnetic Control (process valve maintenance)*





Do you want tube fittings for the air inlet and external pneumatic outputs for the number of valves specified? (see above about*)

No, 1/2" NPT Brass Push-On Fitting
 No, 1/2" NPT Brass Panel-Box
 No fitting required

Do you need an adapter kit to mount the 8681 onto your actuator**

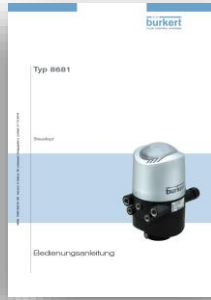
See the link to download: <http://www.burkert.com/Products/8681/Accessories/Kit-010101>

Yes
 No

Product Documentation & Marketing Content



[Datasheet](#)



[Operating Instructions](#)



[Product Flyer](#)



[Process Valves & Controllers Deeper Dive](#)



[Fruit Syrup Production Case Study](#)



[Decentralized Process Automation Overview Video](#)



[Type 8681 Product Overview Video](#)

The Type 8681 in Action & Featured on LinkedIn

Burkert USA Corp
3,660 followers
2w • 🌐

Our friends at **D9 Brewing Company** have opened their Uptown Charlotte location and head brewer **Carli Smith** is at the helm of this **Burkert USA Corp** automation system. Congrats to the D9 & Burkert teammates that coll...see more



82 • 5 comments



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1mo • 🌐

The Brew Crew are here in Denver, Colorado for the Craft Brewers Conference and Brew Expo. The city is filled with the best of the best in the #brewing community developing the next generation of #experts and #innovation in brewing. #wlovebeer #wemakeideasflow #solutionprovider Andrew Lamore & Ryan Frimel & Patrick Kelly & James Taylor & Brian Malley

75 • 2 comments



Like Comment

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#processautomation never looked so good...

Trans-Market
505 followers
5mo • 🌐

We build our modular systems in-house to control quality, cost, and schedule!
#WeKnowProcess #HardSeltzer

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An ambassador for peace - the Burkert Type 8681 Universal Control Head gets along with all sorts of decentralized automation valves. Plant Managers say that this versatile top makes it easy to streamline the control functions & diagnostics using a single type of control head across a wide range of valve styles from varying manufacturers. #industry4point0 #automationsolutions #wemakeideasflow <https://lnkd.in/gcM9N6mZ>



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Large-scale dairy, food, beverage and other high-purity producers that want to enhance their process while eliminating the risk of fluid cross-contamination should consider mixproof valves as a solution. Understanding the work...see more



Mixproof Valves 101: Working Principles, Benefits & Applications - Bürkert Fluid Control Systems
www.burkert-usa.com • 5 min read

47 • 1 comment

Click the image to see original shareable post on LinkedIn

Quick Service Announcement: SAP Upgrade

Burkert will be upgrading our SAP sales and order processing platform on Thursday, November 11th through the weekend. During this time, orders and shipments will not be processed, however regular business activities will resume on Monday the 15th of November. This will impact both our inside sales processes and the online E-Shop.



The “IT” List – Top Sellers from the QDP!

The following items are our top 3 in 2021 quantity sold from the Quick Delivery Program



No Surprise Here! [Type 2000 - Pneumatically operated 2/2 way angle seat valve CLASSIC](#)

- Stainless steel or gunmetal housing with threaded, clamped or welded connection
- Long service life (rated 5 million cycles water; 1 million cycles steam)
- High flow rate
- Robust actuators with modular accessory program
- Locally assembled in the USA for non-ATEX versions!



Exhibit A: [Type 8681 - Control head for decentralized automation of hygienic process valves](#)

- Universal attachment for hygienic process valves
- Contactless position measurement system with 3 switching points (Teach-In function)
- Colored status display
- Manual override operative with closed housing
- [AS-Interface](#), [IO-Link](#), [bùS/CANopen](#)



Best in Class! [Type 6213 - Servo-assisted 2/2 way diaphragm valve](#)

- Servo-assisted diaphragm with diameter of up to DN40
- Spring coupled diaphragm opens without differential pressure
- Damped design for quiet closing
- Compact construction with high flow rate
- Energy-saving double coil technology with kick and drop design

Your Burkert Contacts

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Email feedback on what you would like to see included in upcoming issues to us at marketing-usa@burkert.com.