



Electromotive process control valves- (EVA)

High-precision control
with outstanding speed

bürkert
FLUID CONTROL SYSTEMS

100% EXPLOSION PROOF
FOR ZONE 2 & ZONE 22



Explosive process environment



II 3G Ex ec IIC T4 Gc
II 3D Ex tc IIIC T135°C DC
Application in Ex-areas



ATEX / IECEx for Zone 2 / 22

EVA PRODUCT CAPABILITIES

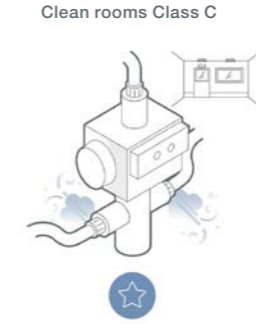
ACTUATOR SIZES + FORCES

AG3
7,700 N
10,000 N
11,500 N

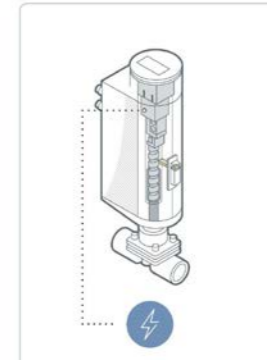
AG2
1,300 N
2,500 N



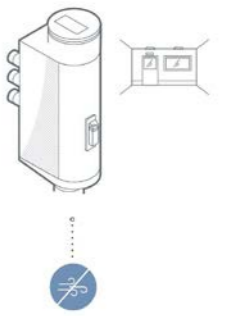
COMPRESSED AIR-FREE
SUITABLE FOR CLASS C CLEAN ROOMS



Clean rooms Class C
Compressed air only permitted in the highest quality

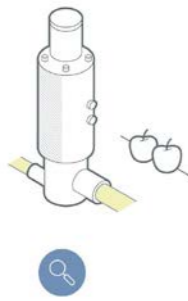


Electric actuator
Application in Class C clean rooms



Compressed air not necessary

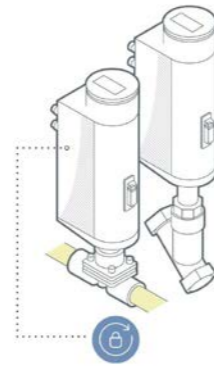
FOOD COMPLIANT
ACCORDING TO EGV1935/2004 & FDA



Food contact material must be tested



Compliant with EC Regulation 1935/2004 + FDA
Food Compliant



Materials used are food safe

REDUCED COSTS
THROUGH FAST & SIMPLE COMMUNICATION



Frequent maintenance intervals

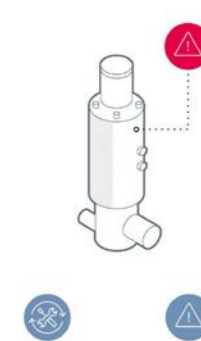


Valve data acquisition
Report interference source
Maintenance indicator
Regardless which type of liquid

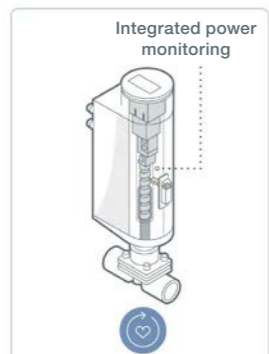


Reduced maintenance & downtime costs
Support for rapid root cause identification & troubleshooting

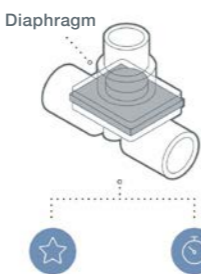
LONGER MAINTENANCE INTERVALS
THROUGH OPTIMISED CLAMPING FORCE



Short maintenance intervals
Premature wear = malfunctions



Optimised closing force applies to the diaphragm
Long service life of the wearing parts

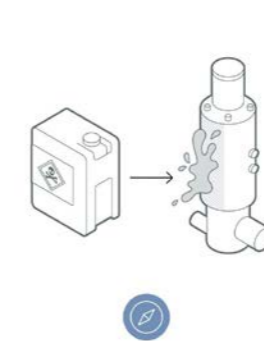


Reduced wear
Longer maintenance intervals

PRODUCT OVERVIEW
ELECTROMOTIVE PROCESS VALVES PORTFOLIO

Angle Seat Valve	Globe Valve	Diaphragm Valve	
Type 3320 DN15.0 - 80.0mm	Type 3321 DN15.0 - 100.0mm	Type 3323 DN8.0 - 100.0mm	On/Off
Type 3360 DN15.0 - 65.0mm	Type 3361 DN10.0 - 100.0mm	Type 3363 DN8.0 - 100.0mm	Control

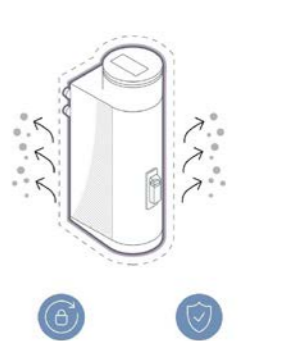
RESISTANT
DUE TO A HIGH PERFORMANCE COATING



Harsh environmental conditions



Material compatibility certified according to Ecolab test method
Robust & durable coating for demanding environments



Chemical resistance
Cleanability of the valve



EVA at a glance



Energy storage with diagnostic function guarantees 100% fail safe position



Precise process control even with diaphragms at a travel speed of up to 6 mm/s



Wide range of applications due to a broad product portfolio with nominal connection diameters from DN8 to DN100

Temperatures

Media temperature: 40 C ... +230 C

Environmental temperature: 25 C ... +65 C

Pressures

Operating pressure: 0,9 ... 40,0 bar(g)

Nominal pressure: PN40 (DIN EN 1333)

Control cone

Flow characteristic: linear or equal percentage Rangeability up to 50:1

Seat leakage (DIN EN60534 4): Class III, IV and VI

Seat seals: PTFE, PEEK, stainless steel & hardened stainless steel



**We
make
ideas
flow.**

Bürkert Fluid Control Systems

15 Columbia Way
Norwest Business Park
Norwest NSW 2153
Australia
Phone 1300 888 686
Fax 1300 888 076
sales.au@burkert.com
www.burkert.com.au