

## Special alloy ball valves, suitable for actuation



- Hastelloy C, Monel, Alloy 20, Super Duplex, Duplex
- Antimicrobial, antibacterial, antiseptic option
- Various seal materials for specific applications; PTFE, TFM1600, TFM4215, PEEK, UPE
- ISO pad version for direct actuator mount

Type 2654 special alloy valves can combine with...



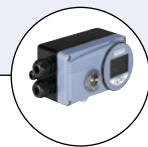
**Rack & pinion**  
Rilsan coated pneumatic actuator



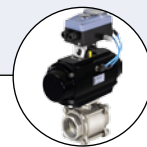
**Type 3005**  
Electric actuator for quarter turn



**Type 2050**  
Vertical pneumatic actuator



**Type 8792 Digital Positioner**  
IP65/67 positioner



**Monel valve & assembly with actuator & positioner**

Bürkert's stainless steel ball valves are available in special alloy materials for unique applications. Special antimicrobial valves are also available for medical, biomedical and pharmaceutical applications.

All valves may be automated with standard Bürkert quarter turn actuators, positioners or accessories.

See Bürkert's standard Type 2654 datasheets for 2 way BSP and flanged manual ball valves for valve specifications. See special material information in following pages. Customised ball valves available on request in sufficient volume, contact Bürkert sales for more information.

### Technical data

<b>Orifice</b>	Manual with handle With ISO mounting pad	11 mm .. 50mm 11 mm .. 100mm
<b>Port size</b>	2/2 way BSP 2/2 way flanged	1/4" .. 3" 1/2" .. 6"
<b>Body &amp; ball material</b>	Hastelloy C, Monel, Alloy 20, Super Duplex, Duplex [see material charts over page]	
<b>Seat material</b>	PTFE standard Various seal materials available PTFE, TFM1600, TFM4215, PEEK, UPE	
<b>Media</b>	Universal application; high end or biomedical	
<b>Port connections</b>	Threaded BSP Flanged ANSI150, ANSI300, PN16, PN40	
<b>Actuation</b>	Lockable handle for manual control (ISO pad top mount standard)	
<b>Installation</b>	Any direction	

**Materials lists for special alloy valves**

Special Alloy	Hastelloy C	Monel 400	Alloy 20	317	Nickel 200
Casting Grade	ASTM-A494 CW12MW	ASTM-A494 M35-1	ASTM-A351 CN7M	ASTM-A351 CG8M	ASTM-A494 CZ-100
Valve Body	CW12MW	M35-1	CN7M	CG8M	CZ-100
Valve End	CW12MW	M35-1	CN7M	CG8M	CZ-100
Valve Ball	CW12MW	M35-1	CN7M	CG8M	CZ-100
Valve Stem	Hastelloy C276	Monel 400	Alloy 20	317	Nickel 200

Special Alloy	254 SMO	Inconel 600	904L
Casting Grade	CK3MCuN	ASTM-A494 CY40	ASTM-A351 CN2MCuN
Valve Body	CK3MCuN	CY40	CN2MCuN
Valve End	CK3MCuN	CY40	CN2MCuN
Valve Ball	CK3MCuN	CY40	CN2MCuN
Valve Stem	254 SMO	Inconel 600	904L

Duplex Series	2205 Duplex (F51)	2507 Super Duplex (F53)	Super Duplex (F55)
Casting Grade	ASTM-A890-4A CD3MN/ DIN 1.4462	ASTM-A890-5A CE3MN/ DIN 1.4410	ASTM-A890-6A CD3MWCuN/ DIN 1.4501
UNS Number	UNS S31803	UNS S23750	UNS S32760
PREn *	33-34	40	40
Valve Body	CD3MN	CE3MN	CD3MWCuN
Valve End	CD3MN	CE3MN	CD3MWCuN
Valve Ball	CD3MN	CE3MN	CD3MWCuN
Valve Stem	2205 Duplex (F51)	Super Duplex 5A	Super Duplex 6A

\*  $PREn = Cr\% + 3.3Mo\% + 16N\%$

Anti-Microbial SS	A890-1A+Ag
Casting Grade	ASTM-A890-1A+Ag CD4MCU-Ag
Valve Body	CD4MCU-Ag
Valve End	CD4MCU-Ag
Valve Ball	CD4MCU-Ag
Valve Stem	CD4MCU-Ag

**Ordering information**

**Contact Bürkert; on request**

**Call 1300 888 868 (Australia) or 0800 BURKERT (NZ)**

In case of special application conditions,  
please consult for advice.

We reserve the right to make technical changes without notice.  
© Christian Bürkert GmbH & Co. KG

201011\_AU\_2654\_SpecialAlloy