

End connections



Solvent cement socket in PVC-U
for plastic piping system acc. to DIN or ASTM.



Solvent cement spigot in PVC-U
for plastic piping system acc. to DIN.



Threaded socket in PVC-U, PP-H or PVDF for plastic piping system BSP or NPT. Threaded socket in PP-H and PVDF with reinforcement ring.



Fusion socket in PP-H, PVDF or PE-HD for plastic piping system acc. to DIN.



Fusion spigot in PP-H, PVD or PE-HD for plastic piping system acc. to DIN.



Backing flange in PVC-U or PP-GRP with steel insert for plastic piping system with flange pattern acc. to DIN or ANSI.



Fix flange in PVC-U for plastic piping system with flange pattern acc. to DIN, ANSI and JIS.

Manual valve with electrical position feedback

Manual ball valve with mechanical or inductive limit switches for position feedback open or closed. Easily retrofittable for every M1 version.



Adapter Set

The modular design of the M1 ball valve enables a simple extension for individual automation. Flange pattern according to EN ISO 5211 – F04, F05 or F07.



Electric Actuator ER

ER Premier tested and adjusted to the M1 ball valve. As an option also ER POSI for individually adjustable positioning or ER FAILSAFE with integrated battery in case of power failure.



Electric Actuator E0

Electric actuator IND 24V AC/DC or ECO 230V AC tested and adjusted to the M1 ball valve with integrated non potential-free position feedback.



Pneumatic Actuator

Single or double acting pneumatic actuator tested and adjusted to the M1 ball valve. As an option with position feedback and/or solenoid valve.



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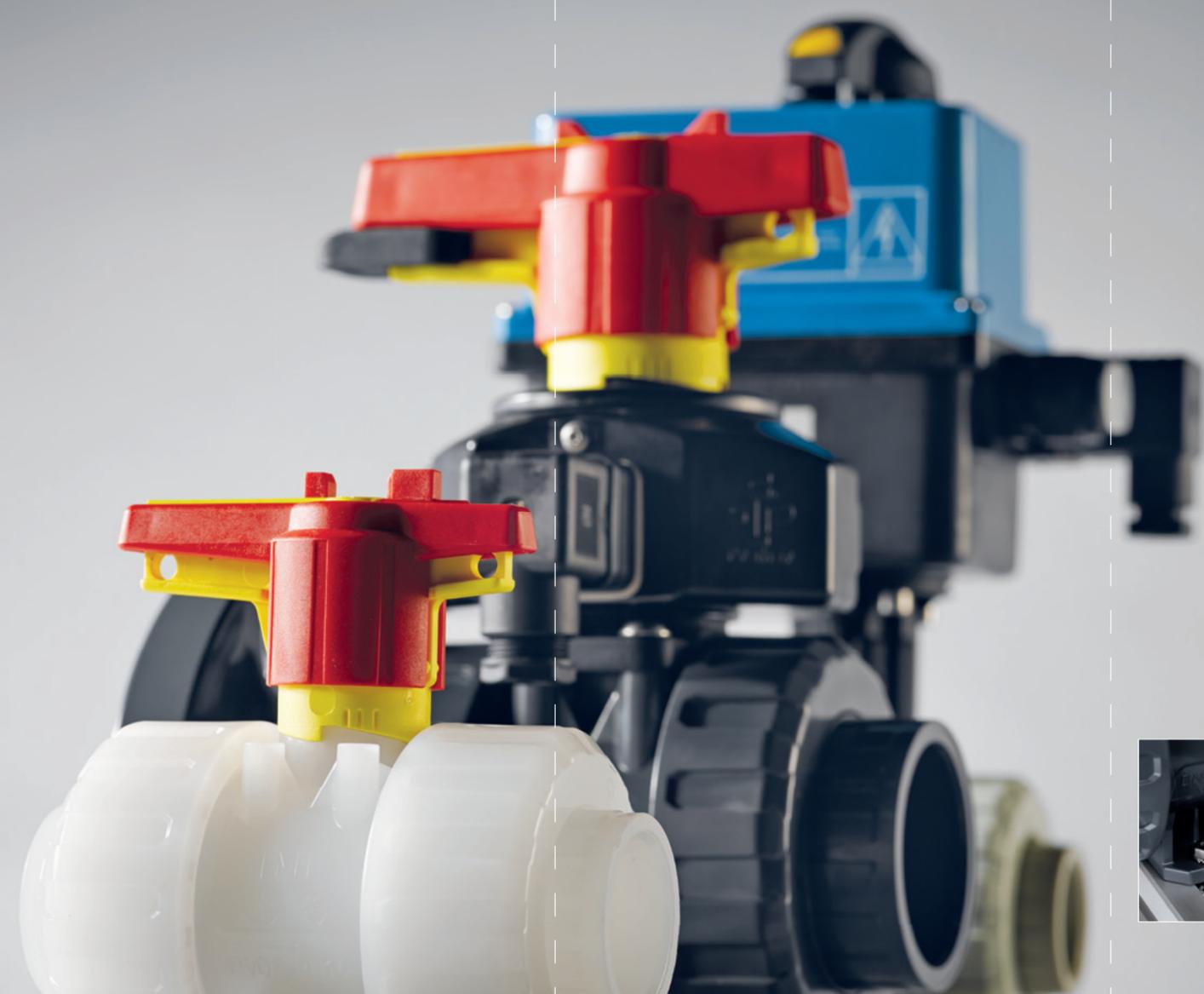
Ball Valve

DN10–DN80
3/8"–4"



Modular Industrial Ball Valve M1 – silicone-free

100 % tested quality made in Austria for the safety of your unit or plant



Integrated Fixations

In valve body integrated fixations for the adapter set.



Adapter Set

Adapter set for electric, pneumatic actuation or for manual valve with position feedback. Flange pattern acc. to EN ISO 5211 – F04, F05 or F07.



Electrical position feedback

Electrical position feedback for manual ball valves with mechanic or inductive limit switches.



Butress thread

Butress thread for increased strength and secure fit of the union nut.



Integrated Bracket

Integrated bracket for fix point mounting. Optionally with clamping element for socket or spigot endings or with spacing element for flange connection.

Body Materials

Depending on requirements (pressure, temperature, medium and ambient conditions), choice of three different body materials of tested and certified thermoplastics.



PVC-U
Unplasticized Polyvinyl Chloride. PVC-U ball valves with EPDM-seals acc. to NSF/ANSI 61



PP-H
Polypropylene Homopolymer



PVDF
Polyvinylidene Fluoride



Sealing Material



Ball sealing with PTFE-sealing ring and depending on the application to combine either with EPDM or FPM O-rings.

PTFE – Polytetrafluorethylene. Low-friction and highly resistant sealing material for high operating temperatures.

EPDM – Ethylenepropylene diene-monomer rubber. Particularly suitable for aggressive chemicals.

FPM – Fluorocarbon rubber. In general good resistance against acids and salt solutions.

Safety Handle with Labeling Plate



With integrated eyelet to prevent unintentional opening. A sudden closing of the ball valve is possible without pulling the handle element. Accessories: an appropriate safety element for the handle and a cover with an eyelet for the integrated fixations.

Metal-free M1 Ball Valve

For applications in highly corrosive environments, the manual M1 ball valve as well as the M1 ball valve with adapter set are available with glass-fiber-reinforced plastic screws.

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