

## KNA (Manual) & KNAP (Automated) Full Bore Ball Valves COMPONENTS, MATERIALS



**KNA**

**KNAP**

Ball versions



1-piece PFA ball/stem (standard)



Al<sub>2</sub>O<sub>3</sub> ceramic ball with separate stem (optional)



Cavity-free TF ball for optimum draining and flushing (optional)



V-control ball, high-quality flow control, play-free (optional)

Optionally zirconium, stainless steel etc.

Designation	Material
Main Body	Ductile Iron ASTM A395, PFA Lined
Body End Piece	Ductile Iron ASTM A395, PFA Lined
Ball/Stem Unit	Stainless Steel, PFA Lined
Stem	Stainless Steel, PFA Lined
Lever	Stainless Steel
Seat Rings	PTFE
Packing Bellows	PTFE
Thrust Ring	Stainless Steel
Spring Gland Follower	Stainless Steel
Packing Gland Follower	Stainless Steel
Bracket	Stainless Steel
Lever Stop	Stainless Steel
Coupling	Stainless Steel
Screws and Nuts	Stainless Steel

Size / #150	1/2"	3/4"	1"	1 1/2"	2"	3"	4"	6"	8"
L (mm)	130	150	127	165	178	203	229	267	457
Weight (kg)	5.6	6.0	5.6	12	14.5	33.5	50	91	125

## MV, MVM Diaphragm Shut-Off and Control Valves COMPONENTS, MATERIALS



**MVM**

\*Also available with actuator

Designation	Material
Body	Ductile Cast Iron EN JS1049 / ASTM A395
Lining Teflon	PFA (Perfluoroalkoxy)
Bonnet	Stainless Steel 1.4408 / CF8M
Hand Wheel	Stainless Steel 1.4408 / CF8M
Compressor	Stainless Steel
Diaphragm	TFM-PTFE (Modified PTFE)
Diaphragm Support	EPDM
Guide Ring	PTFE / Carbon
O-Ring	FKM
Packing Ring	PTFE
Packing Nut	Stainless Steel
Thrust Ring	Stainless Steel
Travel Stop	Stainless Steel
Scraper Ring	FKM
Bearing	PTFE / Graphite
Tube Nut	Stainless Steel
Stem	Stainless Steel
Screws, Nuts	Stainless Steel

Size / #150	1/2"	3/4"	1"	1 1/2"	2"	3"	4"	6"
L (mm)	130	150	147.5	175	200	260	327	416
Weight (kg)	2.8	4	4.4	8.3	11.3	23	32	62