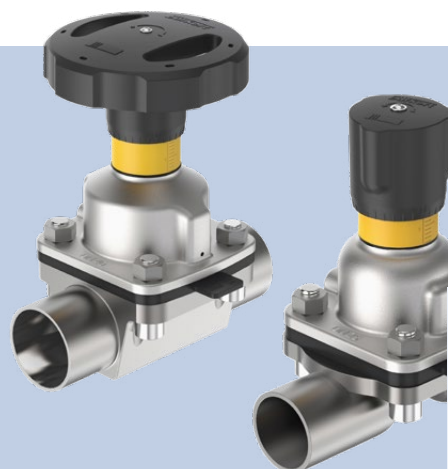


2/2-way Diaphragm Valve, Manually Operated, Forged Valve Body

- Industry leading flow rate (CV)
- Diaphragm hermetically separates the fluids from the operating mechanism
- SS body with clamp or weld ends
- Internationally certified for pharmaceutical, aseptic, sterile and sanitary food applications
- Minimum stroke limiter/closing force limiter as standard



CLICK ME



FOR DATA SHEET

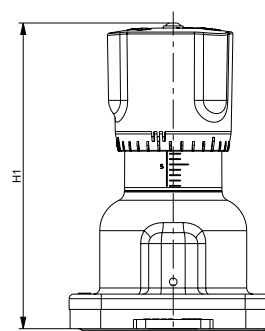
The Type 2933 manually operated diaphragm valve consists of a manually operated actuator, a diaphragm and a 2-way valve body. The manual actuator with plastic handwheel ensures use in hygienic or aggressive ambient conditions. The flow-optimized valve body with minimum dead space enables high flow rates and a wide range of possible applications. The valve body and the diaphragm are available in all common materials and variants. The actuator has a compact, autoclavable design and is compatible with all other Bürkert diaphragm valves. The manual actuator is available in stainless steel and is equipped with an integrated visual position indicator, a reproducible stroke scale.

Technical Data

Port connection	1/4" - 2.5"
Diaphragm size	1/4" - 2.0"
Port connections	
Weld ends acc.	ASME BPE
Clamps acc.	ASME BPE
	(further port connections on request)
Materials	
Body	Stainless Steel 316L
Actuator	PPS hand wheel and stainless steel bonnet
Seal	PTFE/EPDM (EA), EPDM (AD), EPDM laminated (ER) on request: advanced PTFE/EPDM (EU), FKM (FF)
Fluid	Natural gases and liquids, high-purity, sterile, aggressive or abrasive fluids
Surface finish	As listed, alternative internal/external surface finishes available upon request
Medium temperature	
PTFE/EPDM (EA)	14° to 266°F (steam sterilization 284°F for 60 min)
EPDM (AD), advanced PTFE/EPDM (EU)	23° to 289°F (steam sterilization 302°F for 60 min)
EPDM Laminated (ER)	23° to 266°F (steam sterilization 284°F for 60 min)
FKM (FF)	32° to 266°F (not recommended for steam)
Ambient temperature	Up to 266°F (briefly up to 302°F)
Option	The manual actuator can be equipped with proximity switches for position feedback
Ambient temperature: actuator (diaphragm bonnet/handwheel)	
SS/PPS, PPS/PPS	14...266 °F (short-term up to 302 °F), autoclavable

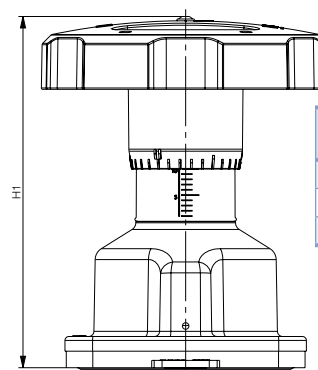
Dimensions [mm]

Diaphragm size 8...25 Position open



DIAPH size	H1
8	54
15	84
20	95
25	101

Diaphragm size 32...50 Position open



DIAPH size	H1
32	129
40	134
50	149

Stroke length/position indication



When turning the handwheel anticlockwise, a yellow marking becomes visible between the attachment and the handwheel

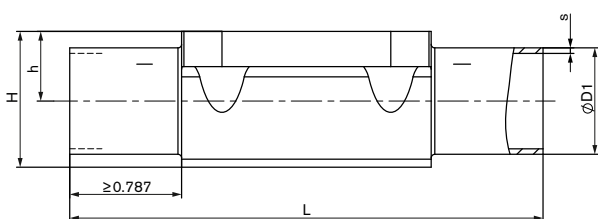
Handwheel with scale

Reproducible stroke scale

Dimensions [inch]

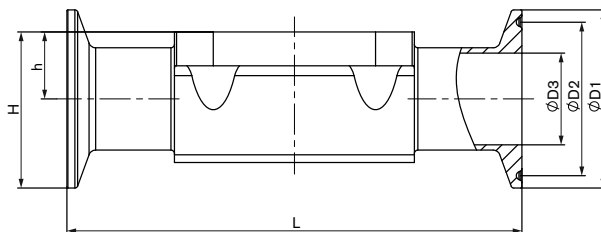
Forged body - weld end

Port connection		DIAPH size	ØD1	s	h	H	L	Self-drain angle [°]
[mm]	[inch]							
DIN EN ISO 1127 / ISO 4200 / DIN 11866 B								
8	1/4"	1/4"	0.250	0.035	0.236	0.591	3.071	48
10	3/8"	1/4"	0.375	0.035	0.236	0.591	3.504	39
15	1/2"	1/2"	0.500	0.065	0.315	0.787	4.252	41
20	3/4"	3/4"	0.750	0.065	0.630	1.181	4.606	29
25	1"	1"	1.000	0.065	0.748	1.457	5.000	27
40	1 1/2"	1 1/2"	1.500	0.065	1.102	2.047	6.260	24
50	2"	2"	2.000	0.065	1.417	2.677	7.480	20



Forged body - clamp

Port connection		DIAPH size	ØD1	s	Cl	ØD2	h	H	L	Self-drain angle [°]
[mm]	[inch]									
ASME BPE										
8	1/4"	1/4"	0.250	0.035	0.984	0.180	0.236	0.709	2.520	48
10	3/8"	1/4"	0.368	0.035	0.984	0.305	0.236	0.709	3.504	39
15	1/2"	1/2"	0.500	0.065	0.984	0.370	0.315	0.827	3.504	41
20	3/4"	3/4"	0.750	0.065	0.984	0.620	0.630	1.142	4.016	29
25	1"	1"	1.000	0.065	1.988	0.870	0.748	1.732	4.488	27
40	1 1/2"	1 1/2"	1.500	0.065	1.988	1.370	1.102	2.087	5.512	24
50	2"	2"	2.000	0.065	2.520	1.870	1.417	2.677	6.260	20



Ordering Chart

DIA.	Connection (in.)	Seat [mm]	Internal Surface Finish	Cv (usgpm)	Max. Process Pressure (PSIg)	Item no.Welded	Item no.Triclamp
Manual Actuator							
EPDM	1/4"	8	20 Ra Mechanical (BPE SF1)	0.81	147	20072057	20070242
	3/8"	8		1.85	147	20072059	20072279
	1/2"	8		1.73	147	20069658	20069643
	1/2"	15		3.58	147	20072067	20072055
	3/4"	20		10.40	147	20072074	20072076
	1"	25		17.92	147	20069660	20069653
	1-1/2"	40		42.77	147	20069661	20069654
	2"	50		76.30	147	20069662	20069655
PTFE/EPDM	2-1/2"	50		76.30	147	20069663	20069657
	1/4"	8	20 Ra Mechanical (BPE SF1)	0.81	147	20072062	20050378
	3/8"	8		2.08	147	20072063	20050404
	1/2"	8		2.20	147	20050353	20050377
	1/2"	15		3.58	147	20072070	20070865
	3/4"	20		10.40	147	20072080	20072079
	1"	25		16.76	147	20050412	20069735
	1-1/2"	40		43.35	147	20069685	20069736
EPDM	2"	50		76.30	147	20069686	20069737
	2-1/2"	50		76.30	147	20069687	20069738
	1/4"	8	15 Ra Electropolished (BPE SF4)	0.81	147	20072058	20072061
	3/8"	8		1.85	147	20072060	20050369
	1/2"	8		1.73	147	20050396	20050407
	1/2"	15		3.58	147	20072068	20072069
	3/4"	20		10.40	147	20072075	20072077
	1"	25		17.92	147	20065202	20072082
	1-1/2"	40		42.77	147	20072083	20072084
	2"	50		76.30	147	20072088	20072087
PTFE / EPDM	2-1/2"	50		76.30	147	20072089	20072090
	1/4"	8	15 Ra Electropolished (BPE SF4)	0.81	147	20072073	20072066
	3/8"	8		2.08	147	20072064	20072280
	1/2"	8		2.20	147	20050359	20072065
	1/2"	15		3.58	147	20072071	20072072
	3/4"	20		10.40	147	20072081	20072078
	1"	25		16.76	147	20050370	20050397
	1-1/2"	40		43.35	147	20050400	20072085
	2"	50		76.30	147	20050403	20072092
	2-1/2"	50		76.30	147	20050387	20072091