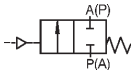
2/2-Way Diaphragm Valve, Pneumatically Operated
Forged Stainless Steel Body with Weld Ends

2031



Normally closed

DN 8 - 50

- ✓ **Fully integrated in Burkert's Easy Process Control Systems**
- ✓ **Hermetical separation of fluids from the operating mechanism by diaphragm**
- ✓ **Zero dead volume**
- ✓ **Various surface finishes**
- ✓ **Quality certifications FDA / 3A**

The Burkert diaphragm valve systems with forged stainless steel valve bodies are designed for control of ultra-pure, sterile, aggressive or abrasive fluids. They separate hermetically critical fluids from the actuator by chemical neutral high quality diaphragms. The zero dead volume body, combined with various surface finishes allows a wide range of applications.
The pneumatic actuator can be controlled by pneumatic pilot valves (single pilot valves, valve islands and control heads).
Control function A, normally closed by spring return.

Technical Data

Connections	• ISO 4200 • BS 4825 • DIN 11850 RG2 • SMS 3008 • ASME BPE	
Pilot pressure (depending on actuator)	5.5 … 7 bar	(PPS)
	5.5 …10 bar	(PA ≤ size 100)
	5.5 … 7 bar	(PA > size 100)
Temperatures		
Medium	-10°C … +130°C	(short +150°C)
Ambient (depending on actuator)	+5°C … +140°C	(PPS < size 100)
	+5°C … +90°C	(PPS ≥ size 100)
		(short +140°C)
	-10°C … +60°C	(PA)
Materials		
Valve body	Forged stainless steel 316L / 1.4435 / BN2 Fe < 0.5% / C ≤ 0.03%	
Diaphragm	EPDM, PTFE	
Actuator	PPS (PA on request)	
Threads for pilot valves	Stainless Steel 1.4305	
Flow direction	Bi-direct	

Specifications

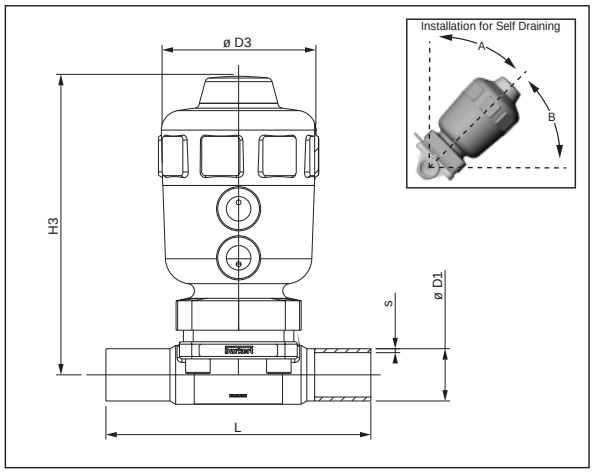
Orifice DN [mm]	Kv-Value Water [m³/h]	Max. Op. Pressure (Medium) [bar]	Actuator Size ø Diaphragm EPDM [mm]	PTFE [mm]	Weight [kg]
8.0	1.0	10.0	C-40	–	0.4
8.0	1.0	10.0	–	C-40	0.4
10.0	1.0	10.0	C-40	–	0.4
10.0	1.0	10.0	–	C-40	0.4
15.0	4.0	8.5	D-50	–	0.7
15.0	4.5	10.0	–	E-63	0.9
20.0	7.0	10.0	E-63	–	1.3
20.0	7.5	10.0	–	F-80	2.0
25.0	12.0	10.0	F-80	–	2.2
25.0	12.0	7.5	–	F-80	2.2
40.0	30.0	6.5	G-100	–	4.2
40.0	30.5	10.0	–	H-125	5.7
50.0	51.5	8.0	H-125	–	7.6
50.0	51.5	7.0	–	H-125	7.6

Applications:
- Designed for high quality and purity requirements of:
  - Pharmaceutical industry
  - Biotechnology
  - Semicon
- Minimum contamination in process systems

bürkert Easy Fluid Control Systems

2/2-Way Diaphragm Valve, Pneumatically Operated Forged Stainless Steel Body with Weld Ends

Dimensions [mm]



Self Draining Angles (depending on orifice)

Orifice DN [mm]	NPS [inch]	Angle -A-	Angle -B-
8.0	1/4“	55°	35°
10.0	3/8”	55°	35°
15.0	1/2”	64°	26°
20.0	3/4”	62°	28°
25.0	1”	67°	23°
40.0	11/2”	67°	23°
50.0	2”	68°	22°

ISO 4200 Connection

Orifice DN [mm]	Actuator size ø [mm]	L [mm]	D1 ø [mm]	s [mm]	D3 ø [mm]	H3 [mm]
8.0	C-40	90.0	13.5	1.6	53.0	85.0
10.0	C-40	90.0	17.2	1.6	53.0	85.0
15.0	D-50	110.0	21.3	1.6	64.0	121.0
15.0	E-63	110.0	21.3	1.6	80.0	138.0
20.0	E-63	119.0	26.9	1.6	80.0	148.0
20.0	F-80	119.0	26.9	1.6	101.0	174.0
25.0	E-63	129.0	33.7	2.0	80.0	157.0
25.0	F-80	129.0	33.7	2.0	101.0	177.0
40.0	G-100	161.0	48.3	2.0	127.0	233.0
40.0	H-125	161.0	48.3	2.0	153.0	272.0
50.0	G-100	192.0	60.3	2.0	127.0	244.0
50.0	H-125	192.0	60.3	2.0	153.0	278.0

DIN 11850 RG2 Connection

Orifice DN [mm]	Actuator size ø [mm]	L [mm]	D1 ø [mm]	s [mm]	D3 ø [mm]	H3 [mm]
10.0	C-40	90.0	13.0	1.5	53.0	85.0
15.0	D-50	110.0	19.0	1.5	64.0	121.0
15.0	E-63	110.0	19.0	1.5	80.0	138.0
20.0	E-63	119.0	23.0	1.5	80.0	148.0
20.0	F-80	119.0	23.0	1.5	101.0	174.0
25.0	E-63	129.0	29.0	1.5	80.0	157.0
25.0	F-80	129.0	29.0	1.5	101.0	177.0
40.0	G-100	161.0	41.0	1.5	127.0	233.0
40.0	H-125	161.0	41.0	1.5	153.0	272.0
50.0	G-100	192.0	53.0	1.5	127.0	244.0
50.0	H-125	192.0	53.0	1.5	153.0	278.0

BS 4825 Connection

Orifice DN [mm]	NPS [inch]	Actuator size ø [mm]	L [mm]	D1 ø [mm]	s [mm]	D3 ø [mm]	H3 [mm]
8.0	1/4”	C-40	78.0	6.35	1.2	53.0	85.0
10.0	3/8”	C-40	89.0	9.53	1.2	53.0	85.0
15.0	1/2”	D-50	108.0	12.70	1.2	64.0	121.0
15.0	1/2”	E-63	108.0	12.70	1.2	80.0	138.0
20.0	3/4”	E-63	117.0	19.05	1.2	80.0	148.0
20.0	3/4”	F-80	117.0	19.05	1.2	101.0	174.0
25.0	1”	E-63	127.0	25.40	1.65	80.0	157.0
25.0	1”	F-80	127.0	25.40	1.65	101.0	177.0
40.0	11/2”	G-100	159.0	38.10	1.65	127.0	233.0
40.0	11/2”	H-125	159.0	38.10	1.65	153.0	272.0
50.0	2”	G-100	190.0	50.80	1.65	127.0	244.0
50.0	2”	H-125	190.0	50.80	1.65	153.0	278.0

ASME BPE Connection

Orifice DN [mm]	NPS [inch]	Actuator size ø [mm]	L [mm]	D1 ø [mm]	s [mm]	D3 ø [mm]	H3 [mm]
8.0	1/4”	C-40	78.0	6.35	0.89	53.0	85.0
10.0	3/8”	C-40	89.0	9.53	0.89	53.0	85.0
15.0	1/2”	D-50	108.0	12.70	1.65	64.0	121.0
15.0	1/2”	E-63	108.0	12.70	1.65	80.0	138.0
20.0	3/4”	E-63	117.0	19.05	1.65	80.0	148.0
20.0	3/4”	F-80	117.0	19.05	1.65	101.0	174.0
25.0	1”	E-63	127.0	25.40	1.65	80.0	157.0
25.0	1”	F-80	127.0	25.40	1.65	101.0	177.0
40.0	11/2”	G-100	159.0	38.10	1.65	127.0	233.0
40.0	11/2”	H-125	159.0	38.10	1.65	153.0	272.0
50.0	2”	G-100	190.0	50.80	1.65	127.0	244.0
50.0	2”	H-125	190.0	50.80	1.65	153.0	278.0

SMS 3008 Connection

Orifice DN [mm]	Actuator size ø [mm]	L [mm]	D1 ø [mm]	s [mm]	D3 ø [mm]	H3 [mm]
25.0	E-63	129.0	25.0	1.2	80.0	157.0
25.0	F-80	129.0	25.0	1.2	101.0	177.0
40.0	G-100	161.0	38.0	1.2	127.0	233.0
40.0	H-125	161.0	38.0	1.2	153.0	272.0
50.0	G-100	192.0	51.0	1.2	127.0	244.0
50.0	H-125	192.0	51.0	1.2	153.0	278.0

2/2-Way Diaphragm Valve, Pneumatically Operated Forged Stainless Steel Body with Weld Ends

Specifications - Ordering Chart (Other Versions on Request) for ISO 4200 Connection

Orifice DN [mm]	Connection D1 x S [mm]	Surface finish [µm] *1. Standard – Satin finished *2. Electro polished *3. Mech. polished – Satin finished *4. Electro polished *5. Mirror finished	Actuator size	Item-No. Pneumatic Actuator EPDM Diaphragm	PTFE Diaphragm
8.0	13.5 x 1.6	*1. External Ra<6.3 – Internal Ra<0.5	C-40	444 968 H	445 003 X
8.0	13.5 x 1.6	*2. External Ra<3.2 – Internal Ra<0.4	C-40	444 969 A	445 004 Y
8.0	13.5 x 1.6	*3. External Ra<1.6 – Internal Ra<0.5	C-40	444 970 F	445 005 Z
8.0	13.5 x 1.6	*4. External Ra<0.8 – Internal Ra<0.4	C-40	444 971 U	445 006 S
8.0	13.5 x 1.6	*5. External Ra<0.25 – Internal Ra<0.25	C-40	444 972 V	445 007 T
10.0	17.2 x 1.6	*1. External Ra<6.3 – Internal Ra<0.5	C-40	444 973 W	445 008 C
10.0	17.2 x 1.6	*2. External Ra<3.2 – Internal Ra<0.4	C-40	444 974 X	445 009 D
10.0	17.2 x 1.6	*3. External Ra<1.6 – Internal Ra<0.5	C-40	444 975 Y	445 010 Z
10.0	17.2 x 1.6	*4. External Ra<0.8 – Internal Ra<0.4	C-40	444 976 Z	445 011 N
10.0	17.2 x 1.6	*5. External Ra<0.25 – Internal Ra<0.25	C-40	444 977 S	445 012 P
15.0	21.3 x 1.6	*1. External Ra<6.3 – Internal Ra<0.5	D-50	444 978 B	445 013 Q
15.0	21.3 x 1.6	*2. External Ra<3.2 – Internal Ra<0.4	D-50	444 979 C	445 014 R
15.0	21.3 x 1.6	*3. External Ra<1.6 – Internal Ra<0.5	D-50	444 980 S	445 015 J
15.0	21.3 x 1.6	*4. External Ra<0.8 – Internal Ra<0.4	D-50	444 981 P	445 016 K
15.0	21.3 x 1.6	*5. External Ra<0.25 – Internal Ra<0.25	D-50	444 982 Q	445 017 L
20.0	26.9 x 1.6	*1. External Ra<6.3 – Internal Ra<0.5	E-63	444 983 R	445 018 V
20.0	26.9 x 1.6	*2. External Ra<3.2 – Internal Ra<0.4	E-63	444 984 J	445 019 W
20.0	26.9 x 1.6	*3. External Ra<1.6 – Internal Ra<0.5	E-63	444 985 K	445 020 T
20.0	26.9 x 1.6	*4. External Ra<0.8 – Internal Ra<0.4	E-63	444 986 L	445 021 Q
20.0	26.9 x 1.6	*5. External Ra<0.25 – Internal Ra<0.25	E-63	444 987 M	445 022 R
25.0	33.7 x 2.0	*1. External Ra<6.3 – Internal Ra<0.5	F-80	444 988 W	445 023 J
25.0	33.7 x 2.0	*2. External Ra<3.2 – Internal Ra<0.4	F-80	444 989 X	445 024 K
25.0	33.7 x 2.0	*3. External Ra<1.6 – Internal Ra<0.5	F-80	444 990 U	445 025 L
25.0	33.7 x 2.0	*4. External Ra<0.8 – Internal Ra<0.4	F-80	444 991 R	444 149 C
25.0	33.7 x 2.0	*5. External Ra<0.25 – Internal Ra<0.25	F-80	444 992 J	445 026 M
40.0	48.3 x 2.0	*1. External Ra<6.3 – Internal Ra<0.5	G-100	444 993 K	445 027 N
40.0	48.3 x 2.0	*2. External Ra<3.2 – Internal Ra<0.4	G-100	444 994 L	445 028 X
40.0	48.3 x 2.0	*3. External Ra<1.6 – Internal Ra<0.5	G-100	444 995 M	445 029 Y
40.0	48.3 x 2.0	*4. External Ra<0.8 – Internal Ra<0.4	G-100	444 996 N	445 030 V
40.0	48.3 x 2.0	*5. External Ra<0.25 – Internal Ra<0.25	G-100	444 997 P	445 031 J
50.0	60.3 x 2.0	*1. External Ra<6.3 – Internal Ra<0.5	H-125	444 998 Y	445 032 K
50.0	60.3 x 2.0	*2. External Ra<3.2 – Internal Ra<0.4	H-125	444 999 Z	445 033 L
50.0	60.3 x 2.0	*3. External Ra<1.6 – Internal Ra<0.5	H-125	445 000 G	445 034 M
50.0	60.3 x 2.0	*4. External Ra<0.8 – Internal Ra<0.4	H-125	445 001 V	445 035 N
50.0	60.3 x 2.0	*5. External Ra<0.25 – Internal Ra<0.25	H-125	445 002 W	445 036 P

Specifications - Ordering Chart (Other Versions on Request) for BS 4825 Connection (1” up to 2” same as ASME BPE)

Orifice DN [mm]	NPS [inch]	Connection D1 x S [mm]	Surface finish [µm] *1. Standard – Satin finished *2. Electro polished *3. Mech. polished – Satin finished *4. Electro polished *5. Mirror finished	Actuator size	Item-No. Pneumatic Actuator EPDM Diaphragm	PTFE Diaphragm
8.0	1/4”	6.35 x 1.2	*1. External Ra<6.3 – Internal Ra<0.5	C-40	445 037 Q	445 072 T
8.0	1/4”	6.35 x 1.2	*2. External Ra<3.2 – Internal Ra<0.4	C-40	445 038 Z	445 073 U
8.0	1/4”	6.35 x 1.2	*3. External Ra<1.6 – Internal Ra<0.5	C-40	445 039 S	445 074 V
8.0	1/4”	6.35 x 1.2	*4. External Ra<0.8 – Internal Ra<0.4	C-40	445 040 F	445 075 W
8.0	1/4”	6.35 x 1.2	*5. External Ra<0.25 – Internal Ra<0.25	C-40	445 041 U	445 076 X
10.0	3/8”	9.53 x 1.2	*1. External Ra<6.3 – Internal Ra<0.5	C-40	445 042 V	445 077 Y
10.0	3/8”	9.53 x 1.2	*2. External Ra<3.2 – Internal Ra<0.4	C-40	445 043 W	445 078 H
10.0	3/8”	9.53 x 1.2	*3. External Ra<1.6 – Internal Ra<0.5	C-40	445 044 X	445 079 A
10.0	3/8”	9.53 x 1.2	*4. External Ra<0.8 – Internal Ra<0.4	C-40	445 045 Y	445 080 Y
10.0	3/8”	9.53 x 1.2	*5. External Ra<0.25 – Internal Ra<0.25	C-40	445 046 Z	445 081 M
15.0	1/2”	12.70 x 1.2	*1. External Ra<6.3 – Internal Ra<0.5	D-50	447 886 K	447 905 W
15.0	1/2”	12.70 x 1.2	*2. External Ra<3.2 – Internal Ra<0.4	D-50	447 887 L	447 906 X
15.0	1/2”	12.70 x 1.2	*3. External Ra<1.6 – Internal Ra<0.5	D-50	447 888 V	447 907 Y
15.0	1/2”	12.70 x 1.2	*4. External Ra<0.8 – Internal Ra<0.4	D-50	447 889 W	447 908 H
15.0	1/2”	12.70 x 1.2	*5. External Ra<0.25 – Internal Ra<0.25	D-50	447 890 T	447 909 A
20.0	3/4”	19.05 x 1.2	*1. External Ra<6.3 – Internal Ra<0.5	E-63	447 891 Q	447 910 W
20.0	3/4”	19.05 x 1.2	*2. External Ra<3.2 – Internal Ra<0.4	E-63	447 892 R	447 911 K
20.0	3/4”	19.05 x 1.2	*3. External Ra<1.6 – Internal Ra<0.5	E-63	447 893 J	447 912 L
20.0	3/4”	19.05 x 1.2	*4. External Ra<0.8 – Internal Ra<0.4	E-63	447 894 K	447 913 M
20.0	3/4”	19.05 x 1.2	*5. External Ra<0.25 – Internal Ra<0.25	E-63	447 895 L	447 914 N

Specifications - Ordering Chart (Other Versions on Request) for SMS 3008 Connection

Orifice DN [mm]	Connection D1 x S [mm]	Surface finish [µm] *1. Standard – Satin finished *2. Electro polished *3. Mech. polished – Satin finished *4. Electro polished *5. Mirror finished	Actuator size	Item-No. Pneumatic Actuator EPDM Diaphragm	PTFE Diaphragm
25.0	25.0 x 1.2	*1. External Ra<6.3 – Internal Ra<0.5	F-80	445 167 X	445 182 P
25.0	25.0 x 1.2	*2. External Ra<3.2 – Internal Ra<0.4	F-80	445 168 G	445 183 Q
25.0	25.0 x 1.2	*3. External Ra<1.6 – Internal Ra<0.5	F-80	445 169 H	445 184 R
25.0	25.0 x 1.2	*4. External Ra<0.8 – Internal Ra<0.4	F-80	445 170 E	445 185 J
25.0	25.0 x 1.2	*5. External Ra<0.25 – Internal Ra<0.25	F-80	445 171 T	445 186 K
40.0	38.0 x 1.2	*1. External Ra<6.3 – Internal Ra<0.5	G-100	445 172 U	445 187 L
40.0	38.0 x 1.2	*2. External Ra<3.2 – Internal Ra<0.4	G-100	445 173 V	445 188 V
40.0	38.0 x 1.2	*3. External Ra<1.6 – Internal Ra<0.5	G-100	445 174 W	445 189 W
40.0	38.0 x 1.2	*4. External Ra<0.8 – Internal Ra<0.4	G-100	445 175 X	445 190 T
40.0	38.0 x 1.2	*5. External Ra<0.25 – Internal Ra<0.25	G-100	445 176 Y	445 191 Q
50.0	51.0 x 1.2	*1. External Ra<6.3 – Internal Ra<0.5	H-125	445 177 Z	445 192 R
50.0	51.0 x 1.2	*2. External Ra<3.2 – Internal Ra<0.4	H-125	445 178 A	445 193 J
50.0	51.0 x 1.2	*3. External Ra<1.6 – Internal Ra<0.5	H-125	445 179 B	445 194 K
50.0	51.0 x 1.2	*4. External Ra<0.8 – Internal Ra<0.4	H-125	445 180 Z	445 195 L
50.0	51.0 x 1.2	*5. External Ra<0.25 – Internal Ra<0.25	H-125	445 181 N	445 196 M

2/2-Way Diaphragm Valve, Pneumatically Operated Forged Stainless Steel Body with Weld Ends

Specifications - Ordering Chart (Other Versions on Request) for DIN 11850 RG2 Connection

Orifice DN [mm]	Connection D1 x S [mm]	Surface finish [µm] *1. Standard – Satin finished *2. Electro polished *3. Mech. polished – Satin finished *4. Electro polished *5. Mirror finished	Actuator size	Item-No. Pneumatic Actuator EPDM Diaphragm	PTFE Diaphragm
10.0	13.0 x 1.5	*1. External Ra<6.3 – Internal Ra<0.5	C-40	445 107 U	445 137 R
10.0	13.0 x 1.5	*2. External Ra<3.2 – Internal Ra<0.4	C-40	445 108 D	445 138 S
10.0	13.0 x 1.5	*3. External Ra<1.6 – Internal Ra<0.5	C-40	445 109 E	445 139 T
10.0	13.0 x 1.5	*4. External Ra<0.8 – Internal Ra<0.4	C-40	445 110 S	445 140 G
10.0	13.0 x 1.5	*5. External Ra<0.25 – Internal Ra<0.25	C-40	445 111 P	445 141 V
15.0	19.0 x 1.5	*1. External Ra<6.3 – Internal Ra<0.5	D-50	445 112 Q	445 142 W
15.0	19.0 x 1.5	*2. External Ra<3.2 – Internal Ra<0.4	D-50	445 113 R	445 143 X
15.0	19.0 x 1.5	*3. External Ra<1.6 – Internal Ra<0.5	D-50	445 114 J	445 144 Y
15.0	19.0 x 1.5	*4. External Ra<0.8 – Internal Ra<0.4	D-50	445 115 K	445 145 Z
15.0	19.0 x 1.5	*5. External Ra<0.25 – Internal Ra<0.25	D-50	445 116 L	445 146 S
20.0	23.0 x 1.5	*1. External Ra<6.3 – Internal Ra<0.5	E-63	445 117 M	445 147 T
20.0	23.0 x 1.5	*2. External Ra<3.2 – Internal Ra<0.4	E-63	445 118 W	445 148 C
20.0	23.0 x 1.5	*3. External Ra<1.6 – Internal Ra<0.5	E-63	445 119 X	445 149 D
20.0	23.0 x 1.5	*4. External Ra<0.8 – Internal Ra<0.4	E-63	445 120 U	445 150 A
20.0	23.0 x 1.5	*5. External Ra<0.25 – Internal Ra<0.25	E-63	445 121 R	445 151 X
25.0	29.0 x 1.5	*1. External Ra<6.3 – Internal Ra<0.5	F-80	445 122 J	445 152 Y
25.0	29.0 x 1.5	*2. External Ra<3.2 – Internal Ra<0.4	F-80	445 123 K	445 153 Z
25.0	29.0 x 1.5	*3. External Ra<1.6 – Internal Ra<0.5	F-80	445 124 L	445 154 S
25.0	29.0 x 1.5	*4. External Ra<0.8 – Internal Ra<0.4	F-80	445 125 M	445 155 T
25.0	29.0 x 1.5	*5. External Ra<0.25 – Internal Ra<0.25	F-80	445 126 N	445 156 U
40.0	41.0 x 1.5	*1. External Ra<6.3 – Internal Ra<0.5	G-100	445 127 P	445 157 V
40.0	41.0 x 1.5	*2. External Ra<3.2 – Internal Ra<0.4	G-100	445 128 Y	445 158 E
40.0	41.0 x 1.5	*3. External Ra<1.6 – Internal Ra<0.5	G-100	445 129 Z	445 159 F
40.0	41.0 x 1.5	*4. External Ra<0.8 – Internal Ra<0.4	G-100	445 130 W	444 160 C
40.0	41.0 x 1.5	*5. External Ra<0.25 – Internal Ra<0.25	G-100	445 131 K	445 161 Z
50.0	53.0 x 1.5	*1. External Ra<6.3 – Internal Ra<0.5	H-125	445 132 L	445 162 S
50.0	53.0 x 1.5	*2. External Ra<3.2 – Internal Ra<0.4	H-125	445 133 M	445 163 T
50.0	53.0 x 1.5	*3. External Ra<1.6 – Internal Ra<0.5	H-125	445 134 N	445 164 U
50.0	53.0 x 1.5	*4. External Ra<0.8 – Internal Ra<0.4	H-125	445 135 P	445 165 V
50.0	53.0 x 1.5	*5. External Ra<0.25 – Internal Ra<0.25	H-125	445 136 Q	445 166 W

Specifications - Ordering Chart (Other Versions on Request) for ASME BPE Connection

Orifice DN [mm]	NPS [inch]	Connection D1 x S [mm]	Surface finish [µm] *1. Standard – Satin finished *2. Electro polished *3. Mech. polished – Satin finished *4. Electro polished *5. Mirror finished	Actuator size	Item-No. Pneumatic Actuator EPDM Diaphragm	PTFE Diaphragm
8.0	1/4”	6.35 x 0.89	*1. External Ra<6.3 – Internal Ra<0.5	C-40	448 273 L	447 915 P
8.0	1/4”	6.35 x 0.89	*2. External Ra<3.2 – Internal Ra<0.4	C-40	447 896 M	447 916 Q
8.0	1/4”	6.35 x 0.89	*3. External Ra<1.6 – Internal Ra<0.5	C-40	447 897 N	447 917 R
8.0	1/4”	6.35 x 0.89	*4. External Ra<0.8 – Internal Ra<0.4	C-40	447 898 X	447 918 S
8.0	1/4”	6.35 x 0.89	*5. External Ra<0.25 – Internal Ra<0.25	C-40	447 899 Y	447 919 T
10.0	3/8”	9.53 x 0.89	*1. External Ra<6.3 – Internal Ra<0.5	C-40	447 900 D	447 920 Y
10.0	3/8”	9.53 x 0.89	*2. External Ra<3.2 – Internal Ra<0.4	C-40	447 901 S	447 921 M
10.0	3/8”	9.53 x 0.89	*3. External Ra<1.6 – Internal Ra<0.5	C-40	447 902 T	447 922 N
10.0	3/8”	9.53 x 0.89	*4. External Ra<0.8 – Internal Ra<0.4	C-40	447 903 U	447 923 P
10.0	3/8”	9.53 x 0.89	*5. External Ra<0.25 – Internal Ra<0.25	C-40	447 904 V	447 924 Q
15.0	1/2”	12.70 x 1.65	*1. External Ra<6.3 – Internal Ra<0.5	D-50	445 047 S	445 082 N
15.0	1/2”	12.70 x 1.65	*2. External Ra<3.2 – Internal Ra<0.4	D-50	445 048 B	445 083 P
15.0	1/2”	12.70 x 1.65	*3. External Ra<1.6 – Internal Ra<0.5	D-50	445 049 C	445 084 Q
15.0	1/2”	12.70 x 1.65	*4. External Ra<0.8 – Internal Ra<0.4	D-50	445 050 H	445 085 R
15.0	1/2”	12.70 x 1.65	*5. External Ra<0.25 – Internal Ra<0.25	D-50	445 051 W	445 086 J
20.0	3/4”	19.05 x 1.65	*1. External Ra<6.3 – Internal Ra<0.5	E-63	445 052 X	445 087 K
20.0	3/4”	19.05 x 1.65	*2. External Ra<3.2 – Internal Ra<0.4	E-63	445 053 Y	445 088 U
20.0	3/4”	19.05 x 1.65	*3. External Ra<1.6 – Internal Ra<0.5	E-63	445 054 Z	445 089 V
20.0	3/4”	19.05 x 1.65	*4. External Ra<0.8 – Internal Ra<0.4	E-63	445 055 S	445 090 S
20.0	3/4”	19.05 x 1.65	*5. External Ra<0.25 – Internal Ra<0.25	E-63	445 056 T	445 091 P
25.0	1”	25.40 x 1.65	*1. External Ra<6.3 – Internal Ra<0.5	F-80	445 057 U	445 092 Q
25.0	1”	25.40 x 1.65	*2. External Ra<3.2 – Internal Ra<0.4	F-80	445 058 D	445 093 R
25.0	1”	25.40 x 1.65	*3. External Ra<1.6 – Internal Ra<0.5	F-80	445 059 E	445 094 J
25.0	1”	25.40 x 1.65	*4. External Ra<0.8 – Internal Ra<0.4	F-80	445 060 B	445 095 K
25.0	1”	25.40 x 1.65	*5. External Ra<0.25 – Internal Ra<0.25	F-80	445 061 Y	445 096 L
40.0	11/2”	38.10 x 1.65	*1. External Ra<6.3 – Internal Ra<0.5	G-100	445 062 Z	445 097 M
40.0	11/2”	38.10 x 1.65	*2. External Ra<3.2 – Internal Ra<0.4	G-100	445 063 S	445 098 W
40.0	11/2”	38.10 x 1.65	*3. External Ra<1.6 – Internal Ra<0.5	G-100	445 064 T	445 099 X
40.0	11/2”	38.10 x 1.65	*4. External Ra<0.8 – Internal Ra<0.4	G-100	445 065 U	445 100 H
40.0	11/2”	38.10 x 1.65	*5. External Ra<0.25 – Internal Ra<0.25	G-100	445 066 V	445 101 W
50.0	2”	50.80 x 1.65	*1. External Ra<6.3 – Internal Ra<0.5	H-125	445 067 W	445 102 X
50.0	2”	50.80 x 1.65	*2. External Ra<3.2 – Internal Ra<0.4	H-125	445 068 F	445 103 Y
50.0	2”	50.80 x 1.65	*3. External Ra<1.6 – Internal Ra<0.5	H-125	445 069 G	445 104 Z
50.0	2”	50.80 x 1.65	*4. External Ra<0.8 – Internal Ra<0.4	H-125	445 070 D	445 105 S
50.0	2”	50.80 x 1.65	*5. External Ra<0.25 – Internal Ra<0.25	H-125	445 071 S	445 106 T

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

We reserve the right to make technical changes without notice.
105-GB/ 1-0XXX