


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

Isolating Diaphragm Valve



3233

DN 8 - 50

- ✓ Fully integrated in Burkert's Easy Process Control Systems
- ✓ Hermetical separation of fluids from the operating mechanism by diaphragm
- ✓ Visual position indication
Optionally with locking function (\geq DN15)
- ✓ Various surface finishes
- ✓ Quality certifications FDA / 

3233

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. They offer a range of different materials for the bonnet and the manual actuator.

Technical Data

Connections	<ul style="list-style-type: none"> • ISO 4200 • BS 4825 • SMS 3008 • DIN 11850 RG2 • ASME BPE
Medium pressure	0 up to 10 bar
Temperatures	
Medium	-10°C ... +130°C (short +150°C)
Ambient	+5°C ... +140°C
Materials	
Valve body	Forged stainless steel 316L / 1.4435 / BN2 Fe < 0.5% / C \leq 0.03%
Diaphragm	EPDM, PTFE
Manual Actuator	PPS, Stainless Steel 1.4581
Bonnet	PPS, Stainless Steel 1.4581
Flow direction	Bi-direct

Specifications

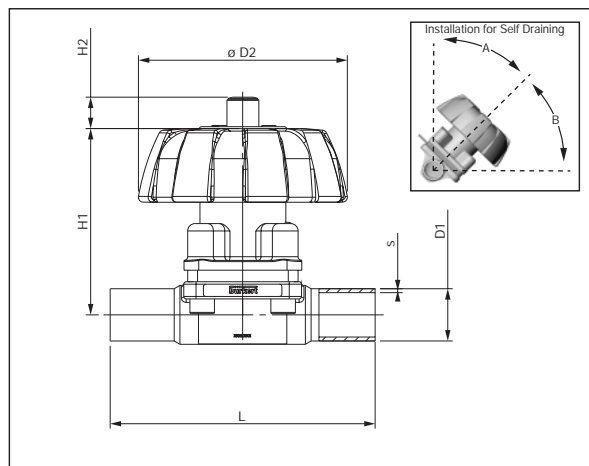
Orifice DN	Kv-Value Water	Weight		
		Manual Actuator / Bonnet		
[mm]	[m ³ /h]	PPS / PPS [kg]	PPS / St.St. [kg]	St.St. / St.St. [kg]
8.0	1.0	0.3	0.4	0.9
10.0	1.0	0.3	0.4	0.9
15.0	6.0	0.6	0.7	1.2
20.0	11.0	0.9	1.0	1.8
25.0	16.0	1.6	1.8	2.2
40.0	29.0	3.1	3.4	4.2
50.0	50.0	3.7	4.2	5.2

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



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

Dimensions [mm]



Self Draining Angles (depending on orifice)

Orifice DN	NPS	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	1 1/2"	67°	23°
50.0	2"	68°	22°

ISO 4200 Connection

Orifice DN	L	D1	s	D2	H1	H2
[mm]	[mm]	ø [mm]	[mm]	ø [mm]	[mm]	[mm]
8.0	90.0	13.5	1.6	35.0	56.0	-
10.0	90.0	17.2	1.6	35.0	56.0	-
15.0	110.0	21.3	1.6	80.0	85.0	7.0
20.0	119.0	26.9	1.6	80.0	93.0	11.0
25.0	129.0	33.7	2.0	80.0	94.0	12.0
40.0	161.0	48.3	2.0	114.0	116.0	19.0
50.0	192.0	60.3	2.0	114.0	133.0	25.0

DIN 11850 RG2 Connection

Orifice DN	L	D1	s	D2	H1	H2
[mm]	[mm]	ø [mm]	[mm]	ø [mm]	[mm]	[mm]
10.0	90.0	13.0	1.5	35.0	56.0	-
15.0	110.0	19.0	1.5	80.0	85.0	7.0
20.0	119.0	23.0	1.5	80.0	93.0	11.0
25.0	129.0	29.0	1.5	80.0	94.0	12.0
40.0	161.0	41.0	1.5	114.0	116.0	19.0
50.0	192.0	53.0	1.5	114.0	133.0	25.0

BS 4825 Connection

Orifice DN	NPS	L	D1	s	D2	H1	H2
[mm]	[inch]	[mm]	ø [mm]	[mm]	ø [mm]	[mm]	[mm]
8.0	1/4"	78.0	6.35	1.20	35.0	56.0	-
10.0	3/8"	89.0	9.53	1.20	35.0	56.0	-
15.0	1/2"	108.0	12.70	1.20	80.0	85.0	7.0
20.0	3/4"	117.0	19.05	1.20	80.0	93.0	11.0
25.0	1"	127.0	25.40	1.65	80.0	94.0	12.0
40.0	1 1/2"	159.0	38.10	1.65	114.0	116.0	19.0
50.0	2"	190.0	50.80	1.65	114.0	133.0	25.0

ASME BPE Connection

Orifice DN	NPS	L	D1	s	D2	H1	H2
[mm]	[inch]	[mm]	ø [mm]	[mm]	ø [mm]	[mm]	[mm]
8.0	1/4"	78.0	6.35	0.89	35.0	56.0	-
10.0	3/8"	89.0	9.53	0.89	35.0	56.0	-
15.0	1/2"	108.0	12.70	1.65	80.0	85.0	7.0
20.0	3/4"	117.0	19.05	1.65	80.0	93.0	11.0
25.0	1"	127.0	25.40	1.65	80.0	94.0	12.0
40.0	1 1/2"	159.0	38.10	1.65	114.0	116.0	19.0
50.0	2"	190.0	50.80	1.65	114.0	133.0	25.0

SMS 3008 Connection

Orifice DN	L	D1	s	D2	H1	H2
[mm]	[mm]	ø [mm]	[mm]	ø [mm]	[mm]	[mm]
25.0	129.0	25.0	1.2	80.0	94.0	12.0
40.0	161.0	38.0	1.2	114.0	116.0	19.0
50.0	192.0	51.0	1.2	114.0	133.0	25.0

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

Isolating Diaphragm Valve

3233

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	Item-No. Manual Actuator/Bonnet		Manual Actuator/Bonnet		Manual Actuator/Bonnet	
				PPS / PPS EPDM Diaphragm	PTFE Diaphragm	PPS / SS EPDM Diaphragm	PTFE Diaphragm	SS / SS EPDM Diaphragm	PTFE Diaphragm
8.0	13.5x1.6	*1. External Ra<6.3 – Internal Ra<0.5		445 493 P	445 528 Z	446 182 Q	446 217 S	446 737 T	446 772 E
8.0	13.5x1.6	*2. External Ra<3.2 – Internal Ra<0.4		445 494 Q	445 529 S	446 183 R	446 218 B	446 738 C	446 773 F
8.0	13.5x1.6	*3. External Ra<1.6 – Internal Ra<0.5		445 495 R	445 530 X	446 184 J	446 219 C	446 739 D	446 774 G
8.0	13.5x1.6	*4. External Ra<0.8 – Internal Ra<0.4		445 496 J	445 531 L	446 185 K	446 220 H	446 740 J	446 775 H
8.0	13.5x1.6	*5. External Ra<0.25 – Internal Ra<0.25		445 497 K	445 532 M	446 186 L	446 221 W	446 741 F	446 776 A
10.0	17.2x1.6	*1. External Ra<6.3 – Internal Ra<0.5		445 498 U	445 533 N	446 187 M	446 222 X	446 742 G	446 777 B
10.0	17.2x1.6	*2. External Ra<3.2 – Internal Ra<0.4		445 499 V	445 534 P	446 188 W	446 223 Y	446 743 H	446 778 L
10.0	17.2x1.6	*3. External Ra<1.6 – Internal Ra<0.5		445 500 A	445 535 Q	446 189 X	446 224 Z	446 744 A	446 779 M
10.0	17.2x1.6	*4. External Ra<0.8 – Internal Ra<0.4		445 501 X	445 536 R	446 190 U	446 225 S	446 745 B	446 780 B
10.0	17.2x1.6	*5. External Ra<0.25 – Internal Ra<0.25		445 502 Y	445 537 J	446 191 R	446 226 T	446 746 C	446 781 Y
15.0	21.3x1.6	*1. External Ra<6.3 – Internal Ra<0.5		445 503 Z	445 538 T	446 192 J	446 227 U	446 747 D	446 782 Z
15.0	21.3x1.6	*2. External Ra<3.2 – Internal Ra<0.4		445 504 S	445 539 U	446 193 K	446 228 D	446 748 N	446 783 S
15.0	21.3x1.6	*3. External Ra<1.6 – Internal Ra<0.5		445 505 T	445 540 H	446 194 L	446 229 E	446 749 P	446 784 T
15.0	21.3x1.6	*4. External Ra<0.8 – Internal Ra<0.4		445 506 U	445 541 W	446 195 M	446 230 B	446 750 L	446 785 U
15.0	21.3x1.6	*5. External Ra<0.25 – Internal Ra<0.25		445 507 V	445 542 X	446 196 N	446 231 Y	446 751 H	446 786 V
20.0	26.9x1.6	*1. External Ra<6.3 – Internal Ra<0.5		445 508 E	445 543 Y	446 197 P	446 232 Z	446 752 A	446 787 W
20.0	26.9x1.6	*2. External Ra<3.2 – Internal Ra<0.4		445 509 F	445 544 Z	446 198 Y	446 233 S	446 753 B	446 788 F
20.0	26.9x1.6	*3. External Ra<1.6 – Internal Ra<0.5		445 510 T	445 545 S	446 199 Z	446 234 T	446 754 C	446 789 F
20.0	26.9x1.6	*4. External Ra<0.8 – Internal Ra<0.4		445 511 Q	445 546 T	446 200 N	446 235 U	446 755 D	446 790 D
20.0	26.9x1.6	*5. External Ra<0.25 – Internal Ra<0.25		445 512 R	445 547 U	446 201 B	446 236 V	446 756 E	446 791 S
25.0	33.7x2.0	*1. External Ra<6.3 – Internal Ra<0.5		445 513 J	445 548 D	446 202 C	446 237 W	446 757 F	446 792 T
25.0	33.7x2.0	*2. External Ra<3.2 – Internal Ra<0.4		445 514 K	445 549 E	446 203 D	446 238 F	446 758 Q	446 793 U
25.0	33.7x2.0	*3. External Ra<1.6 – Internal Ra<0.5		445 515 L	445 550 B	446 204 E	446 239 G	446 759 R	446 794 V
25.0	33.7x2.0	*4. External Ra<0.8 – Internal Ra<0.4		445 516 M	445 551 Y	446 205 F	446 240 M	446 760 N	446 795 W
25.0	33.7x2.0	*5. External Ra<0.25 – Internal Ra<0.25		445 517 N	445 552 Z	446 206 G	446 241 A	446 761 B	446 796 X
40.0	48.3x2.0	*1. External Ra<6.3 – Internal Ra<0.5		445 518 X	445 553 S	446 207 H	446 242 B	446 762 C	446 797 Y
40.0	48.3x2.0	*2. External Ra<3.2 – Internal Ra<0.4		445 519 Y	445 554 T	446 208 J	446 243 C	446 763 D	446 798 H
40.0	48.3x2.0	*3. External Ra<1.6 – Internal Ra<0.5		445 520 V	445 555 U	446 209 K	446 244 D	446 764 E	446 799 A
40.0	48.3x2.0	*4. External Ra<0.8 – Internal Ra<0.4		445 521 J	445 556 V	446 210 F	446 245 E	446 765 F	446 800 G
40.0	48.3x2.0	*5. External Ra<0.25 – Internal Ra<0.25		445 522 K	445 557 W	446 211 U	446 246 F	446 766 G	446 801 V
50.0	60.3x2.0	*1. External Ra<6.3 – Internal Ra<0.5		445 523 L	445 558 F	446 212 V	446 247 G	446 767 H	446 802 W
50.0	60.3x2.0	*2. External Ra<3.2 – Internal Ra<0.4		445 524 M	445 559 G	446 213 W	446 248 R	446 768 J	446 803 X
50.0	60.3x2.0	*3. External Ra<1.6 – Internal Ra<0.5		445 525 N	445 560 D	446 214 X	446 249 J	446 769 K	446 804 Y
50.0	60.3x2.0	*4. External Ra<0.8 – Internal Ra<0.4		445 526 P	445 561 S	446 215 Y	446 250 P	446 770 Q	446 805 Z
50.0	60.3x2.0	*5. External Ra<0.25 – Internal Ra<0.25		445 527 O	445 562 T	446 216 Z	446 251 P	446 771 D	446 806 S

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

Orifice DN [mm] [inch]	Connection NPS 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	Item-No. Manual Actuator/Bonnet		Manual Actuator/Bonnet		Manual Actuator/Bonnet	
				PPS / PPS EPDM Diaphragm	PTFE Diaphragm	PPS / SS EPDM Diaphragm	PTFE Diaphragm	SS / SS EPDM Diaphragm	PTFE Diaphragm
8.0 1/4"	6.35x1.2	*1. External Ra<6.3 – Internal Ra<0.5		445 563 U	445 598 Y	446 252 D	446 287 Z	446 807 T	446 842 V
8.0 1/4"	6.35x1.2	*2. External Ra<3.2 – Internal Ra<0.4		445 564 V	445 599 Z	446 253 E	446 288 A	446 808 C	446 843 W
8.0 1/4"	6.35x1.2	*3. External Ra<1.6 – Internal Ra<0.5		445 565 W	445 600 N	446 254 F	446 289 B	446 809 D	446 844 X
8.0 1/4"	6.35x1.2	*4. External Ra<0.8 – Internal Ra<0.4		445 566 X	445 601 B	446 255 G	446 290 G	446 810 Z	446 845 Y
8.0 1/4"	6.35x1.2	*5. External Ra<0.25 – Internal Ra<0.25		445 567 Y	445 602 C	446 256 H	446 291 V	446 811 N	446 846 Z
10.0 3/8"	9.53x1.2	*1. External Ra<6.3 – Internal Ra<0.5		445 568 H	445 603 D	446 257 A	446 292 W	446 812 P	446 847 S
10.0 3/8"	9.53x1.2	*2. External Ra<3.2 – Internal Ra<0.4		445 569 A	445 604 E	446 258 K	446 293 X	446 813 Q	446 848 B
10.0 3/8"	9.53x1.2	*3. External Ra<1.6 – Internal Ra<0.5		445 570 F	445 605 F	446 259 L	446 294 Y	446 814 R	446 849 C
10.0 3/8"	9.53x1.2	*4. External Ra<0.8 – Internal Ra<0.4		445 571 U	445 606 G	446 260 R	446 295 Z	446 815 J	446 850 H
10.0 3/8"	9.53x1.2	*5. External Ra<0.25 – Internal Ra<0.25		445 572 V	445 607 H	446 261 E	446 296 S	446 816 K	446 851 W
15.0 1/2"	12.70x1.2	*1. External Ra<6.3 – Internal Ra<0.5		447 925 R	447 945 V	447 965 Z	447 985 N	448 005 C	448 025 Y
15.0 1/2"	12.70x1.2	*2. External Ra<3.2 – Internal Ra<0.4		447 926 J	447 946 W	447 966 S	447 986 P	448 006 D	448 026 X
15.0 1/2"	12.70x1.2	*3. External Ra<1.6 – Internal Ra<0.5		447 927 K	447 947 X	447 967 T	447 987 Q	448 007 E	448 027 Z
15.0 1/2"	12.70x1.2	*4. External Ra<0.8 – Internal Ra<0.4		447 928 U	447 948 G	447 968 C	447 988 Z	448 008 P	448 028 A
15.0 1/2"	12.70x1.2	*5. External Ra<0.25 – Internal Ra<0.25		447 929 V	447 949 H	447 969 D	447 989 S	448 009 Q	448 029 B
20.0 3/4"	19.05x1.2	*1. External Ra<6.3 – Internal Ra<0.5		447 930 S	447 950 E	447 970 A	447 990 X	448 010 C	448 030 G
20.0 3/4"	19.05x1.2	*2. External Ra<3.2 – Internal Ra<0.4		447 931 P	447 951 T	447 971 X	447 991 L	448 011 Z	448 031 V
20.0 3/4"	19.05x1.2	*3. External Ra<1.6 – Internal Ra<0.5		447 932 Q	447 952 U	447 972 Y	447 992 M	448 012 S	448 032 W
20.0 3/4"	19.05x1.2	*4. External Ra<0.8 – Internal Ra<0.4		447 933 R	447 953 V	447 973 Z	447 993 N	448 013 T	448 033 X
20.0 3/4"	19.05x1.2	*5. External Ra<0.25 – Internal Ra<0.25		447 934 J	447 954 W	447 974 S	447 994 P	448 014 U	448 034 Y

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	Item-No. Manual Actuator/Bonnet		Manual Actuator/Bonnet		Manual Actuator/Bonnet	
				PPS / PPS EPDM Diaphragm	PTFE Diaphragm	PPS / SS EPDM Diaphragm	PTFE Diaphragm	SS / SS EPDM Diaphragm	PTFE Diaphragm
25.0	25.0x1.2	*1. External Ra<6.3 – Internal Ra<0.5		445 693 X	445 708 N	446 380 A	446 395 V	446 937 L	446 952 T
25.0	25.0x1.2	*2. External Ra<3.2 – Internal Ra<0.4		445 694 Y	445 709 P	446 381 X	446 396 W	446 938 V	446 953 U
25.0	25.0x1.2	*3. External Ra<1.6 – Internal Ra<0.5		445 695 Z	445 710 B	446 382 Y	446 397 X	446 939 W	446 954 V
25.0	25.0x1.2	*4. External Ra<0.8 – Internal Ra<0.4		445 696 S	445 711 Y	446 383 Z	446 398 G	446 940 B	446 955 W
25.0	25.0x1.2	*5. External Ra<0.25 – Internal Ra<0.25		445 697 T	445 712 Z	446 384 S	446 399 H	446 941 Y	446 956 X
40.0	38.0x1.2	*1. External Ra<6.3 – Internal Ra<0.5		445 698 C	445 713 S	446 385 T	446 400 F	446 942 Z	446 957 Y
40.0	38.0x1.2	*2. External Ra<3.2 – Internal Ra<0.4		445 699 D	445 714 T	446 386 U	446 401 U	446 943 S	446 958 H
40.0	38.0x1.2	*3. External Ra<1.6 – Internal Ra<0.5		445 700 F	445 715 U	446 387 V	446 402 V	446 944 T	446 959 A
40.0	38.0x1.2	*4. External Ra<0.8 – Internal Ra<0.4		445 701 F	445 716 V	446 388 E	446 403 W	446 945 U	446 960 F
40.0	38.0x1.2	*5. External Ra<0.25 – Internal Ra<0.25		445 702 G	445 717 W	446 389 F	446 404 X	446 946 V	446 961 U
50.0	51.0x1.2	*1. External Ra<6.3 – Internal Ra<0.5		445 703 H	445 718 F	446 390 C	446 405 Y	446 947 W	446 962 V
50.0	51.0x1.2	*2. External Ra<3.2 – Internal Ra<0.4		445 704 A	445 719 G	446 391 Z	446 406 Z	446 948 F	446 963 X
50.0	51.0x1.2	*3. External Ra<1.6 – Internal Ra<0.5		445 705 B	445 720 D	446 392 S	446 407 S	446 949 G	446 964 W
50.0	51.0x1.2	*4. External Ra<0.8 – Internal Ra<0.4		445 706 C	445 721 S	446 393 T	446 408 B	446 950 D	446 965 Y
50.0	51.0x1.2	*5. External Ra<0.25 – Internal Ra<0.25		445 707 D	445 722 T	446 394 U	446 409 C	446 951 S	446 966 Z

2/2-Way Diaphragm Valve, Manually 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	Item-No. Manual Actuator/Bonnet		Manual Actuator/Bonnet		Manual Actuator/Bonnet	
				PPS / PPS EPDM Diaphragm	PTFE Diaphragm	PPS / SS EPDM Diaphragm	PTFE Diaphragm	SS / SS EPDM Diaphragm	PTFE Diaphragm
10.0	13.0x1.5	*1. External Ra<6.3 – Internal Ra<0.5		445 633 S	445 663 G	445 462 X	447 340 J	446 877 J	446 907 X
10.0	13.0x1.5	*2. External Ra<3.2 – Internal Ra<0.4		445 634 T	445 664 H	446 322 T	446 351 G	446 878 H	446 908 G
10.0	13.0x1.5	*3. External Ra<1.6 – Internal Ra<0.5		445 635 M	445 665 A	446 323 U	446 352 H	446 879 A	446 909 H
10.0	13.0x1.5	*4. External Ra<0.8 – Internal Ra<0.4		445 636 V	445 666 B	446 324 V	446 353 A	446 880 Y	446 910 V
10.0	13.0x1.5	*5. External Ra<0.25 – Internal Ra<0.25		445 637 W	445 667 C	446 325 W	446 354 B	446 881 M	446 911 J
15.0	19.0x1.5	*1. External Ra<6.3 – Internal Ra<0.5		445 638 F	445 668 M	446 326 X	446 355 C	446 882 N	446 912 K
15.0	19.0x1.5	*2. External Ra<3.2 – Internal Ra<0.4		445 639 G	445 669 N	446 327 Y	446 356 D	446 883 P	446 913 L
15.0	19.0x1.5	*3. External Ra<1.6 – Internal Ra<0.5		445 640 M	445 670 K	446 328 H	446 357 E	446 884 Q	446 914 M
15.0	19.0x1.5	*4. External Ra<0.8 – Internal Ra<0.4		445 641 A	445 671 G	446 329 A	446 358 P	446 885 R	446 915 N
15.0	19.0x1.5	*5. External Ra<0.25 – Internal Ra<0.25		445 642 B	445 672 H	446 330 F	446 359 Q	446 886 J	446 916 P
20.0	23.0x1.5	*1. External Ra<6.3 – Internal Ra<0.5		445 643 C	445 673 A	446 331 U	446 360 M	446 887 K	446 917 O
20.0	23.0x1.5	*2. External Ra<3.2 – Internal Ra<0.4		445 644 D	445 674 B	446 332 V	446 361 A	446 888 U	446 918 Z
20.0	23.0x1.5	*3. External Ra<1.6 – Internal Ra<0.5		445 645 E	445 675 C	446 333 W	446 362 B	446 889 V	446 919 S
20.0	23.0x1.5	*4. External Ra<0.8 – Internal Ra<0.4		445 646 F	445 676 D	446 334 X	446 363 C	446 890 S	446 920 X
20.0	23.0x1.5	*5. External Ra<0.25 – Internal Ra<0.25		445 647 G	445 677 E	446 335 Y	446 364 D	446 891 P	446 921 L
25.0	29.0x1.5	*1. External Ra<6.3 – Internal Ra<0.5		445 648 R	445 678 P	446 336 Z	446 365 E	446 892 M	446 922 M
25.0	29.0x1.5	*2. External Ra<3.2 – Internal Ra<0.4		445 649 J	445 679 O	446 337 S	446 366 F	446 893 R	446 923 N
25.0	29.0x1.5	*3. External Ra<1.6 – Internal Ra<0.5		445 650 P	445 680 E	446 338 B	446 367 G	446 894 J	446 924 P
25.0	29.0x1.5	*4. External Ra<0.8 – Internal Ra<0.4		445 651 C	445 681 T	446 339 C	446 368 R	446 895 K	446 925 O
25.0	29.0x1.5	*5. External Ra<0.25 – Internal Ra<0.25		445 652 D	445 682 U	446 340 R	446 369 J	446 896 L	446 926 R
40.0	41.0x1.5	*1. External Ra<6.3 – Internal Ra<0.5		445 653 E	445 683 V	446 341 E	446 370 P	446 897 M	446 927 J
40.0	41.0x1.5	*2. External Ra<3.2 – Internal Ra<0.4		445 654 F	445 684 W	446 342 F	446 371 C	446 898 W	446 928 T
40.0	41.0x1.5	*3. External Ra<1.6 – Internal Ra<0.5		445 655 G	445 685 X	446 343 G	446 372 D	446 899 X	446 929 U
40.0	41.0x1.5	*4. External Ra<0.8 – Internal Ra<0.4		445 656 H	445 686 Y	446 344 H	446 373 E	446 900 C	446 930 Z
40.0	41.0x1.5	*5. External Ra<0.25 – Internal Ra<0.25		445 657 A	445 687 Z	446 345 A	446 374 F	446 901 Z	446 931 P
50.0	53.0x1.5	*1. External Ra<6.3 – Internal Ra<0.5		445 658 K	445 688 A	446 346 B	446 375 G	446 902 S	446 932 P
50.0	53.0x1.5	*2. External Ra<3.2 – Internal Ra<0.4		445 659 L	445 689 B	446 347 C	446 376 H	446 903 T	446 933 O
50.0	53.0x1.5	*3. External Ra<1.6 – Internal Ra<0.5		445 660 R	445 690 G	446 348 M	446 377 A	446 904 U	446 934 R
50.0	53.0x1.5	*4. External Ra<0.8 – Internal Ra<0.4		445 661 E	445 691 V	446 349 N	446 378 K	446 905 V	446 935 J
50.0	53.0x1.5	*5. External Ra<0.25 – Internal Ra<0.25		445 662 F	445 692 W	446 350 K	446 379 L	446 906 W	446 936 K

Specifications - Ordering Chart (Other Versions on Request) for ASME BPE 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	Item-No. Manual Actuator/Bonnet		Manual Actuator/Bonnet		Manual Actuator/Bonnet	
				PPS / PPS EPDM Diaphragm	PTFE Diaphragm	PPS / SS EPDM Diaphragm	PTFE Diaphragm	SS / SS EPDM Diaphragm	PTFE Diaphragm
8.0	1/4"	6.35x0.89	*1. External Ra<6.3 – Internal Ra<0.5	447 935 K	447 955 X	447 975 T	447 995 Q	448 015 V	448 035 Z
8.0	1/4"	6.35x0.89	*2. External Ra<3.2 – Internal Ra<0.4	447 936 L	447 956 Y	447 976 U	447 996 R	448 016 W	448 036 S
8.0	1/4"	6.35x0.89	*3. External Ra<1.6 – Internal Ra<0.5	447 937 M	447 957 Z	447 977 V	447 997 J	448 017 X	448 037 T
8.0	1/4"	6.35x0.89	*4. External Ra<0.8 – Internal Ra<0.4	447 938 W	447 958 A	447 978 E	447 998 T	448 018 G	448 038 C
8.0	1/4"	6.35x0.89	*5. External Ra<0.25 – Internal Ra<0.25	447 939 X	447 959 B	447 979 F	447 999 U	448 019 H	448 039 D
10.0	3/8"	9.53x0.89	*1. External Ra<6.3 – Internal Ra<0.5	447 940 C	447 960 G	447 980 V	448 000 K	448 020 E	448 040 J
10.0	3/8"	9.53x0.89	*2. External Ra<3.2 – Internal Ra<0.4	447 941 Z	447 961 V	447 981 J	448 001 G	448 021 T	448 041 F
10.0	3/8"	9.53x0.89	*3. External Ra<1.6 – Internal Ra<0.5	447 942 S	447 962 W	447 982 K	448 002 H	448 022 U	448 042 G
10.0	3/8"	9.53x0.89	*4. External Ra<0.8 – Internal Ra<0.4	447 943 T	447 963 X	447 983 L	448 003 A	448 023 V	448 043 H
10.0	3/8"	9.53x0.89	*5. External Ra<0.25 – Internal Ra<0.25	447 944 U	447 964 Y	447 984 M	448 004 B	448 024 W	448 044 A
15.0	1/2"	12.70x1.65	*1. External Ra<6.3 – Internal Ra<0.5	445 573 W	445 608 J	446 262 F	446 297 T	446 817 L	446 852 X
15.0	1/2"	12.70x1.65	*2. External Ra<3.2 – Internal Ra<0.4	445 574 X	445 609 K	446 263 G	446 298 C	446 818 V	446 853 Y
15.0	1/2"	12.70x1.65	*3. External Ra<1.6 – Internal Ra<0.5	445 575 Y	445 610 F	446 264 H	446 299 D	446 819 W	446 854 Z
15.0	1/2"	12.70x1.65	*4. External Ra<0.8 – Internal Ra<0.4	445 576 Z	445 611 U	446 265 A	446 300 J	446 820 T	446 855 S
15.0	1/2"	12.70x1.65	*5. External Ra<0.25 – Internal Ra<0.25	445 577 S	445 612 V	446 266 B	446 301 F	446 821 Q	446 856 T
20.0	3/4"	19.05x1.65	*1. External Ra<6.3 – Internal Ra<0.5	445 578 B	445 613 W	446 267 C	446 302 G	446 822 R	446 857 U
20.0	3/4"	19.05x1.65	*2. External Ra<3.2 – Internal Ra<0.4	445 579 C	445 614 X	446 268 M	446 303 H	446 823 J	446 858 D
20.0	3/4"	19.05x1.65	*3. External Ra<1.6 – Internal Ra<0.5	445 580 S	445 615 Y	446 269 N	446 304 A	446 824 K	446 859 E
20.0	3/4"	19.05x1.65	*4. External Ra<0.8 – Internal Ra<0.4	445 581 P	445 616 Z	446 270 K	446 305 B	446 825 L	446 860 B
20.0	3/4"	19.05x1.65	*5. External Ra<0.25 – Internal Ra<0.25	445 582 Q	445 617 S	446 271 G	446 306 C	446 826 M	446 861 Y
25.0	1"	25.40x1.65	*1. External Ra<6.3 – Internal Ra<0.5	445 583 R	445 618 B	446 272 H	446 307 D	446 827 N	446 862 Z
25.0	1"	25.40x1.65	*2. External Ra<3.2 – Internal Ra<0.4	445 584 J	445 619 C	446 273 A	446 308 N	446 828 X	446 863 S
25.0	1"	25.40x1.65	*3. External Ra<1.6 – Internal Ra<0.5	445 585 K	445 620 H	446 274 B	446 309 P	446 829 Y	446 864 T
25.0	1"	25.40x1.65	*4. External Ra<0.8 – Internal Ra<0.4	445 586 L	445 621 W	446 275 C	446 310 B	446 830 V	446 865 U
25.0	1"	25.40x1.65	*5. External Ra<0.25 – Internal Ra<0.25	445 587 M	445 622 X	446 276 D	446 311 Y	446 831 J	446 866 V
40.0	1 1/2"	38.10x1.65	*1. External Ra<6.3 – Internal Ra<0.5	445 588 W	445 623 Y	446 277 E	446 312 Z	446 832 K	446 867 W
40.0	1 1/2"	38.10x1.65	*2. External Ra<3.2 – Internal Ra<0.4	445 589 X	445 624 Z	446 278 P	446 313 S	446 833 L	446 868 F
40.0	1 1/2"	38.10x1.65	*3. External Ra<1.6 – Internal Ra<0.5	445 590 U	445 625 S	446 279 Q	446 314 T	446 834 M	446 869 G
40.0	1 1/2"	38.10x1.65	*4. External Ra<0.8 – Internal Ra<0.4	445 591 R	445 626 T	446 280 E	446 315 U	446 835 N	446 870 D
40.0	1 1/2"	38.10x1.65	*5. External Ra<0.25 – Internal Ra<0.25	445 592 J	445 627 U	446 281 T	446 316 V	446 836 P	446 871 S
50.0	2"	50.80x1.65	*1. External Ra<6.3 – Internal Ra<0.5	445 593 K	445 628 D	446 282 U	446 317 W	446 837 O	446 872 T
50.0	2"	50.80x1.65	*2. External Ra<3.2 – Internal Ra<0.4	445 594 L	445 629 E	446 283 V	446 318 F	446 838 Z	446 873 U
50.0	2"	50.80x1.65	*3. External Ra<1.6 – Internal Ra<0.5	445 595 N	445 630 B	446 284 W	446 319 G	446 839 S	446 874 V
50.0	2"	50.80x1.65	*4. External Ra<0.8 – Internal Ra<0.4	445 596 N	445 631 Y	446 285 X	446 320 D	446 840 F	446 875 W
50.0	2"	50.80x1.65	*5. External Ra<0.25 – Internal Ra<0.25	445 597 P	445 632 Z	446 286 Y	446 321 S	446 841 U	446 876 X

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

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