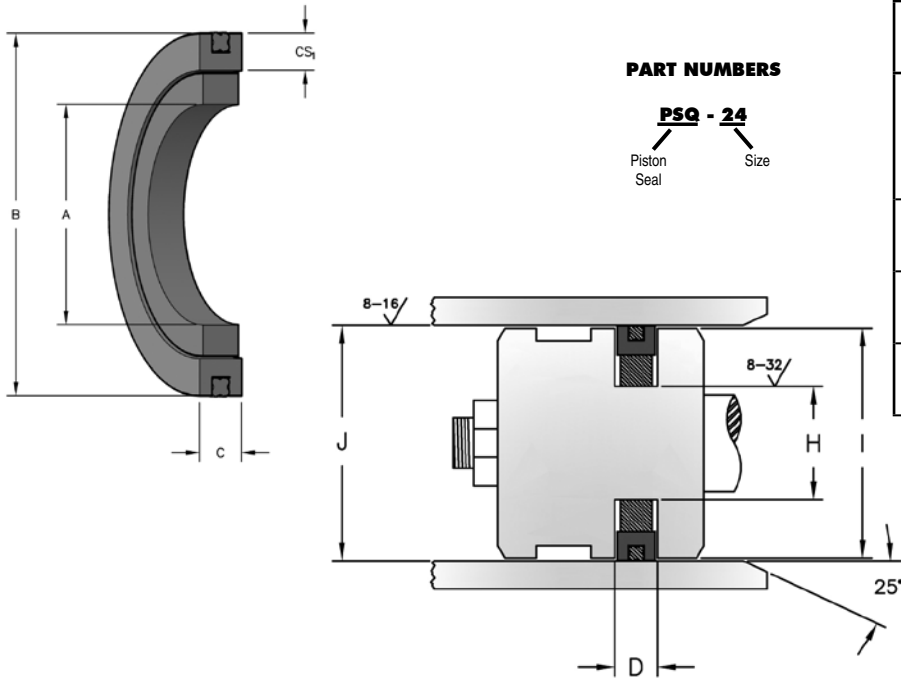


STYLE PSQ BRONZE FILLED PISTON SEALS

These piston seals provide bi-directional, low friction sealing with increased stability and superior leakage control. The square cut energizer provides low pressure sealing and eliminates backside leakage. This seal also effectively seals between different fluids on each side of the piston seal, making gas/liquid sealing combinations possible.

NOTE: Piston diameter "I" dimensions are given for pistons without wear rings.



PART NUMBERS

PSQ - 24

Piston Seal Size

SEAL INFORMATION

MATERIAL	40% BRONZE FILLED PTFE SEAL RUBBER ENERGIZER AND QUAD® RING
TEMPERATURE RANGE	-40° TO +250° F
PRESSURE RANGE	0 TO 5,000 PSI
SPEED	6 FT/SEC

MAXIMUM EXTRUSION GAP

PRESSURE	1000 PSI	3000 PSI	5000 PSI
MAX DIAM. GAP BORE 1-1/2" - 5"	0.024"	0.008"	0.005"
MAX DIAM. GAP BORE 6" - 10"	0.030"	0.010"	0.006"

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C WIDTH	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER	CS ₁ RING CROSS SECTION
PSQ-24	.884	1-1/2	.271	.270 ±.005	.288 ^{+.005} / _{+.000}	.884 ^{+.000} / _{-.003}	1.499 ^{+.000} / _{-.002}	1.500 ^{+.002} / _{+.000}	.130 ±.005
PSQ-28	1.134	1-3/4	.27	.270 ±.005	.290 ±.002	1.134 ±.003	1.749 ^{+.000} / _{-.002}	1.750 ^{+.002} / _{+.000}	.130 ±.005
PSQ-32	1.384	2	.271	.270 ±.005	.288 ^{+.005} / _{+.000}	1.384 ^{+.000} / _{-.003}	1.999 ^{+.000} / _{-.002}	2.000 ^{+.002} / _{+.000}	.130 ±.005
PSQ-36	1.634	2-1/4	.271	.270 ±.005	.288 ^{+.005} / _{+.000}	1.634 ^{+.000} / _{-.003}	2.249 ^{+.000} / _{-.002}	2.250 ^{+.002} / _{+.000}	.130 ±.005
PSQ-40	1.884	2-1/2	.271	.270 ±.005	.288 ^{+.005} / _{+.000}	1.884 ^{+.000} / _{-.003}	2.499 ^{+.000} / _{-.002}	2.500 ^{+.002} / _{+.000}	.130 ±.005
PSQ-44	2.134	2-3/4	.271	.270 ±.005	.288 ^{+.005} / _{+.000}	2.134 ^{+.000} / _{-.003}	2.749 ^{+.000} / _{-.002}	2.750 ^{+.002} / _{+.000}	.130 ±.005
PSQ-48	2.384	3	.271	.270 ±.005	.288 ^{+.005} / _{+.000}	2.384 ^{+.000} / _{-.003}	2.999 ^{+.000} / _{-.002}	3.000 ^{+.002} / _{+.000}	.130 ±.005
PSQ-52	2.634	3-1/4	.271	.270 ±.005	.288 ^{+.005} / _{+.000}	2.634 ^{+.000} / _{-.003}	3.249 ^{+.000} / _{-.002}	3.250 ^{+.002} / _{+.000}	.130 ±.005
PSQ-56	2.884	3-1/2	.271	.270 ±.005	.288 ^{+.005} / _{+.000}	2.884 ^{+.000} / _{-.003}	3.499 ^{+.000} / _{-.002}	3.500 ^{+.002} / _{+.000}	.130 ±.005

**PISTON SEAL
ASSEMBLIES**

**POWER
SUPPLY COMPONENTS**

STYLE PSQ BRONZE FILLED PISTON SEALS

Part Number	A Nom. ID	B Nom. OD	C Nom. Ht	C WIDTH	D GROOVE WIDTH	H GROOVE DIAMETER	I PISTON DIAMETER	J BORE DIAMETER	CS ₁ RING CROSS SECTION	
PSQ-64	3.384	4	.271	.270 ±.005	.288 ^{+0.005} / _{+0.000}	3.384 ^{+0.000} / _{-.003}	3.999 ^{+0.000} / _{-.002}	4.000 ^{+0.002} / _{+0.000}	.130 ±.005	
PSQ-68	3.634	4-1/4	.271	.270 ±.005	.288 ^{+0.005} / _{+0.000}	3.634 ^{+0.000} / _{-.003}	4.249 ^{+0.000} / _{-.002}	4.250 ^{+0.002} / _{+0.000}	.130 ±.005	
PSQ-72	3.884	4-1/2	.271	.270 ±.005	.288 ^{+0.005} / _{+0.000}	3.884 ^{+0.000} / _{-.003}	4.499 ^{+0.000} / _{-.002}	4.500 ^{+0.002} / _{+0.000}	.130 ±.005	
PSQ-80	4.384	5	.271	.270 ±.005	.288 ^{+0.005} / _{+0.000}	4.384 ^{+0.000} / _{-.006}	4.998 ^{+0.000} / _{-.004}	5.000 ^{+0.004} / _{+0.000}	.130 ±.005	
PSQ-88	4.66	5-1/2	.362	.362 ±.005	.375 ^{+0.005} / _{+0.000}	4.660 ^{+0.000} / _{-.006}	5.498 ^{+0.000} / _{-.004}	5.500 ^{+0.004} / _{+0.000}	.195 ±.005	
PSQ-96	5.16	6	.362	.362 ±.005	.375 ^{+0.005} / _{+0.000}	5.160 ^{+0.000} / _{-.006}	5.998 ^{+0.000} / _{-.004}	6.000 ^{+0.004} / _{+0.000}	.195 ±.005	
PSQ-104	5.66	6-1/2	.362	.362 ±.005	.375 ^{+0.005} / _{+0.000}	5.660 ^{+0.000} / _{-.006}	6.498 ^{+0.000} / _{-.004}	6.500 ^{+0.004} / _{+0.000}	.195 ±.005	
PSQ-112	6.16	7	.362	.362 ±.005	.375 ^{+0.005} / _{+0.000}	6.160 ^{+0.000} / _{-.006}	6.998 ^{+0.000} / _{-.004}	7.000 ^{+0.004} / _{+0.000}	.195 ±.005	
PSQ-128	7.16	8	.362	.362 ±.005	.375 ^{+0.005} / _{+0.000}	7.160 ^{+0.000} / _{-.006}	7.998 ^{+0.000} / _{-.004}	8.000 ^{+0.004} / _{+0.000}	.195 ±.005	
PSQ-144	8.16	9	.362	.362 ±.005	.375 ^{+0.005} / _{+0.000}	8.160 ^{+0.000} / _{-.006}	8.998 ^{+0.000} / _{-.004}	9.000 ^{+0.004} / _{+0.000}	.195 ±.005	
PSQ-160	9.16	10	.362	.362 ±.005	.375 ^{+0.005} / _{+0.000}	9.160 ^{+0.000} / _{-.006}	9.998 ^{+0.000} / _{-.004}	10.000 ^{+0.004} / _{+0.000}	.195 ±.005	