

## SB10

### Operating Limits

**Pressure:** 45 psi [0.3 MPa] max

**Speed:** 1600 ft/min [8m/s]

**Temperature:** -20 to 300 °F [-30 to 150 °C]



- **Face/Primary Ring**  
(Thermoset Carbon / Sintered Carbon / SiC)
- **Seat/Mating Ring** (Alumina/SiC)
- **Secondary Seal** (NBR/EPDM/HNBR/FKM)
- **Spring & Hardware** (SS304/SS316)

### Design Features:

- Rubber bellows accommodates equipment play and misalignment.
- Single-spring design reduces buildup and clogging risk.
- Stationary spring allows faster speeds and is less prone to angular misalignment than corresponding rotary spring designs.

SEAL SIZE (Inches)	D	D <sub>1</sub>	D <sub>2</sub>	D <sub>3</sub>	D <sub>5</sub>	D <sub>7</sub>	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	L <sub>4</sub>
1/2	0.500	0.559	1.181	1.378	0.531	1.000	0.756	0.197	0.244	0.315
5/8	0.625	0.717	1.437	1.634	0.689	1.250	0.984	0.264	0.406	0.315
3/4	0.750	0.835	1.575	1.724	0.787	1.375	1.016	0.217	0.406	0.394
1	1.000	1.039	1.850	2.008	1.063	1.625	1.142	0.232	0.437	0.472
SEAL SIZE (mm)	D	D <sub>1</sub>	D <sub>2</sub>	D <sub>3</sub>	D <sub>5</sub>	D <sub>7</sub>	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	L <sub>4</sub>
10	10	11.0	24.00	29.0	12	23	17.0	6.0	4	7.0
12S	12	14.2	28.57	32.0	14	25	18.2	5.2	5	8.0
12M	12	14.2	30.00	35.0	15	24/23	18.0	5.0	5	8.0
12L	12	14.2	33.40	38.0	14	25	18.0	6.3	5	6.7
16	16	18.2	36.50	41.5	18	31	19.8	6.8	5	8.0
16L	16	18.2	38.10	43.5	18	31	19.8	6.0	5	8.8
16LD	16	18.2	38.10	43.5	18	31	19.8	6.0	5	8.8
20S	20	21.2	38.00	43.8	21	35	20.5	5.5	5	10.0
20	20	21.2	40.00	43.8	21	35	20.5	5.5	5	10.0
25S	25	26.4	46.00	51.0	26	44	25.0	8.0	7	10.0
25	25	26.4	47.00	51.0	26	44	25.0	6.0	7	12.0
25L	25	26.4	52.00	57.0	27	48	25.0	6.0	7	12.0
30	30	31.0	52.00	57.0	32	48	27.0	8.0	8	11.0

