

FLUICART CB3S - CB4S

Single balanced cartridge seal with springs outside the product. Designed for use in medium pressure and temperatures.

Installation is made easy with the new Fluistrip positioning device and the flange slots which adapt to different stuffing boxes.

The reinforced sleeve tolerates higher shaft run-out and adapts to mixers, dryers, mills and also to assembly directly onto the pump shaft.

FEATURES

a) Sliding drive device compensates for any movement and maintains contact with the rotating ring.

b) Double balanced seal for enhanced performance.

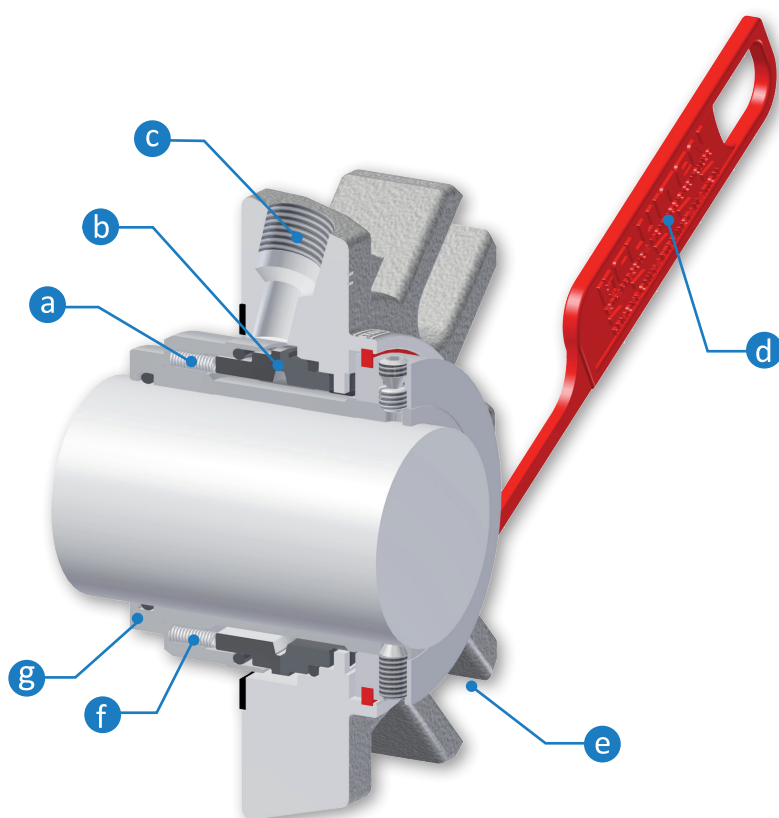
c) Threaded flushing connections from pump discharge (PLAN 11) or flushing from an external source (PLAN 32).

d) Fluistrip: positioning device for correct and easy installation, to be pulled off after assembly but before starting-up the machine.

e) Slotted flanges for more flexible mounting.

f) Springs outside the product.

g) Thicker sleeve to tolerate high run-out values and to prevent deformations during maintenance and assembly.



Operating limits CB3S

DIAMETER [mm]	FROM 20 TO 90
SPEED [m/s]	≤ 12
TEMPERATURE [°C]	FROM -50 TO 250
PROCESS PRESSURE [bar]	VACUUM TO 25

Operating conditions which differ from those indicated can be evaluated by our sales engineers. Speed and pressure values indicated are not strictly prescribed; they should be determined by calculating their PV while bearing in mind the temperature as well as the physical and chemical characteristics of the sealed fluid. Therefore it is not possible to combine maximum values of pressure, speed, temperature and shaft diameter.

Operating limits CB4S

DIAMETER [mm]	FROM 20 TO 90
SPEED [m/s]	≤ 1,5
TEMPERATURE [°C]	FROM -50 TO 150
PROCESS PRESSURE [bar]	VACUUM TO 3

The faces of the CB4S seal (equivalent to the CB3S seal shown here) are designed for dry running. The seals surfaces in contact with the process are free of fissures or scratches to allow easy cleaning and sterilisation. When treated with electro polishing the CB4S fulfils the requirements for CIP (clean in place) and SIP (sterilization in place).



FOOD
INDUSTRY



CHEMICAL
INDUSTRY



PHARMACEUTICAL
INDUSTRY



OIL & GAS
INDUSTRY



POWER
INDUSTRY



BI-DIRECTIONAL

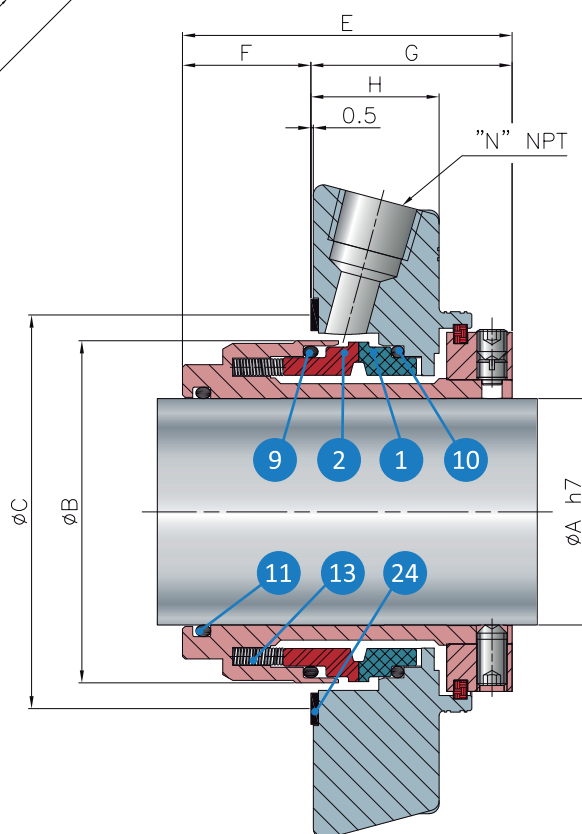
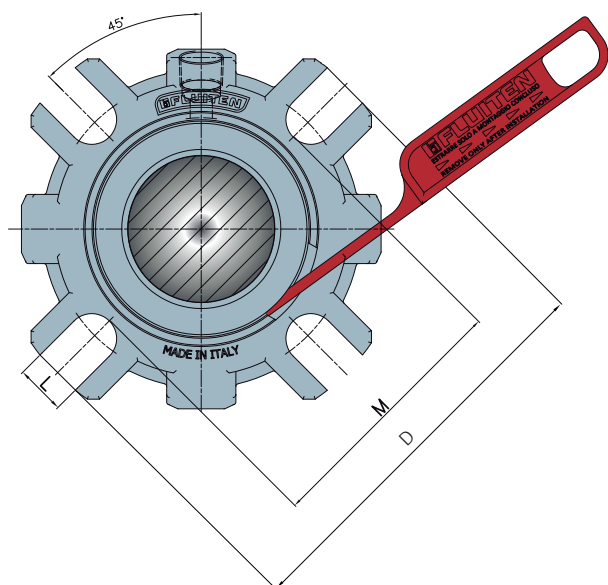


PUMPS



SIDE
ENTRY

Images and dimensions may differ slightly from the standard configuration or refer to different markets. The product may be subject to technical or commercial modification without notification.


COMPONENT KEY
(standard materials)

01 Solid stationary ring in graphite (Z11) or silicon carbide (U31) or tungsten carbide (K21)

02 Solid rotating ring in silicon carbide (U31) or tungsten carbide (K21)

09 Rotating ring gasket in FKM (V) or EPDM (D) or FFKM (G720)

10 Stationary ring gasket in FKM (V) or EPDM (D) or FFKM (G720)

11 Product side sleeve gasket FKM (V) or EPDM (D) or FFKM (G720)

13 Spring in Hastelloy (I)

24 Flange gasket in "Carbo Fiber" (A2) or PTFE (T)

All other metal parts in AISI 316 (E)

"N" NPT: auxiliary liquid inlet/outlet connections

SEAL DIAMETER	ØA	ØB	ØC		ØD	E	F	G	H	L	M	N
			Min	Max								
020	20	43	44	51	98	64,5	24,5	40	25,5	14	63	1/4"
022	22	46	47	52	98	64,5	24,5	40	25,5	14	63	1/4"
025	25	48	49	56	98	64,5	24,5	40	25,5	14	65	1/4"
028	28	50	51	57	106	64,5	24,5	40	25,5	14	67	1/4"
030	30	53	54	61,5	106	65,5	25,5	40	25,5	14	72	1/4"
032	32	56	57	66	120	65,5	25,5	40	25,5	14	76	1/4"
033	33	56	57	66	120	65,5	25,5	40	25,5	14	76	1/4"
035	35	58	59	68	120	65,5	25,5	40	25,5	14	76	1/4"
038	38	61	62	70,5	127	65,5	25,5	40	25,5	14	81	3/8"
040	40	63	64	73	135	65,5	25,5	40	25,5	14	81	3/8"
043	43	66	67	75	135	65,5	25,5	40	25,5	14	87	3/8"
045	45	68	69	78	148	65,5	25,5	40	25,5	14	87	3/8"
048	48	73	74	83	148	65,5	25,5	40	25,5	18	94	3/8"
050	50	73	74	83	148	65,5	25,5	40	25,5	18	94	3/8"
053	53	78	79	91	158	66	26	40	25,5	18	102	3/8"
055	55	78	79	91	158	66	26	40	25,5	18	102	3/8"
058	58	83	84,5	98,5	163	66	26	40	25,5	18	112	3/8"
060	60	83	84,5	98,5	163	66	26	40	25,5	18	112	3/8"
063	63	93	95	108	178	64,5	24,5	40	25,5	18	125	3/8"
065	65	93	95	108	178	64,5	24,5	40	25,5	18	125	3/8"
068	68	98	100	113	185	66,5	23,5	43	28,5	18	130	3/8"
070	70	105	107	118	193	76	29	47	28,5	18	135	3/8"
075	75	110	113	123	198	76	29	47	28,5	22	140	3/8"
080	80	115	118	130	205	76	29	47	28,5	22	145	3/8"
085	85	121	124	135	208	78	31	47	28,5	22	150	3/8"
090	90	126	129	140	218	78	31	47	28,5	22	155	3/8"

All the measures are expressed in millimeters. For measurements differing from those listed or measurements in inches, please contact us at info@fluiten.com