

FLUICART CB3Q - CB4Q

Single balanced cartridge seal. The seal has a V-ring to contain the continuous quench, ideal for pumps with fluids that tend to crystallise on the atmosphere and which require washing.

Simple to install onto the machine thanks to the new Fluistrip positioning device and the slots which fit different stuffing boxes.

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

FEATURES

a) Springs outside the product for increased reliability even with viscous products that crystallise in the processes where thorough cleaning is required.

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

c) Double balanced seal for enhanced performance, tolerates pressure reversals.

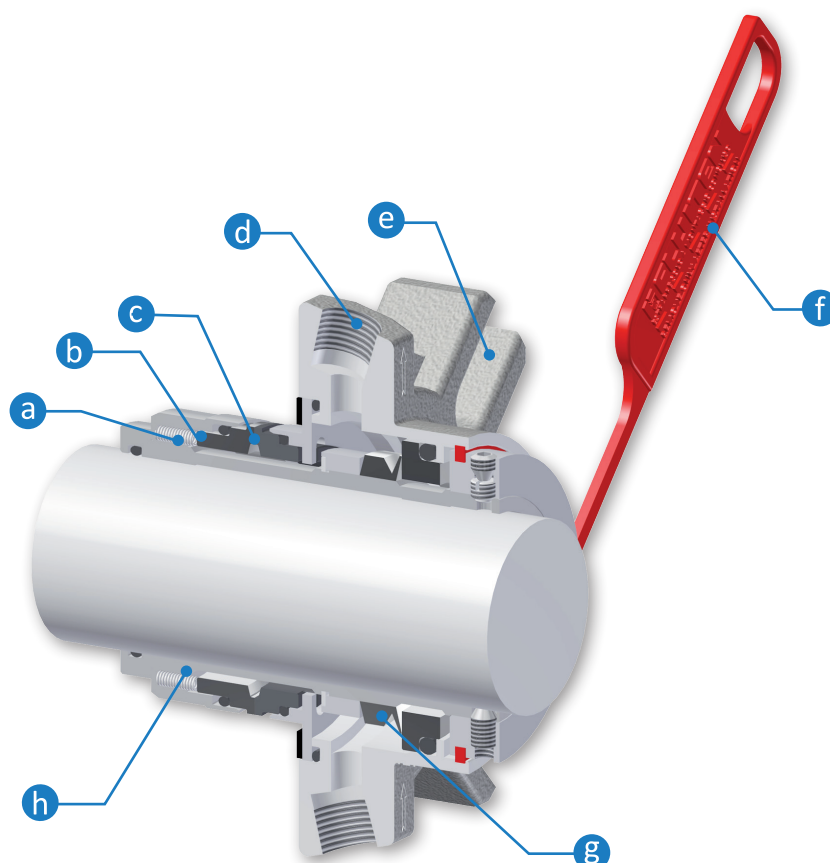
d) Threaded flushing connections for barrier and cooling liquids.

e) Slotted flange for more flexible mounting.

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

g) Containment V-ring.

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



Operating limits

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 CB4Q

SPEED (m/s)	≤ 1,5
TEMPERATURE (°C)	FROM -50 TO 150
PROCESS PRESSURE (bar)	VACUUM TO 3

The faces of the CB4Q seal (equivalent to the CB3Q seal shown here) are designed for dry running. The seal surfaces in contact with the process are free of fissures or scratches to allow easy cleaning and sterilisation. When treated with electro polishing the CB4Q 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

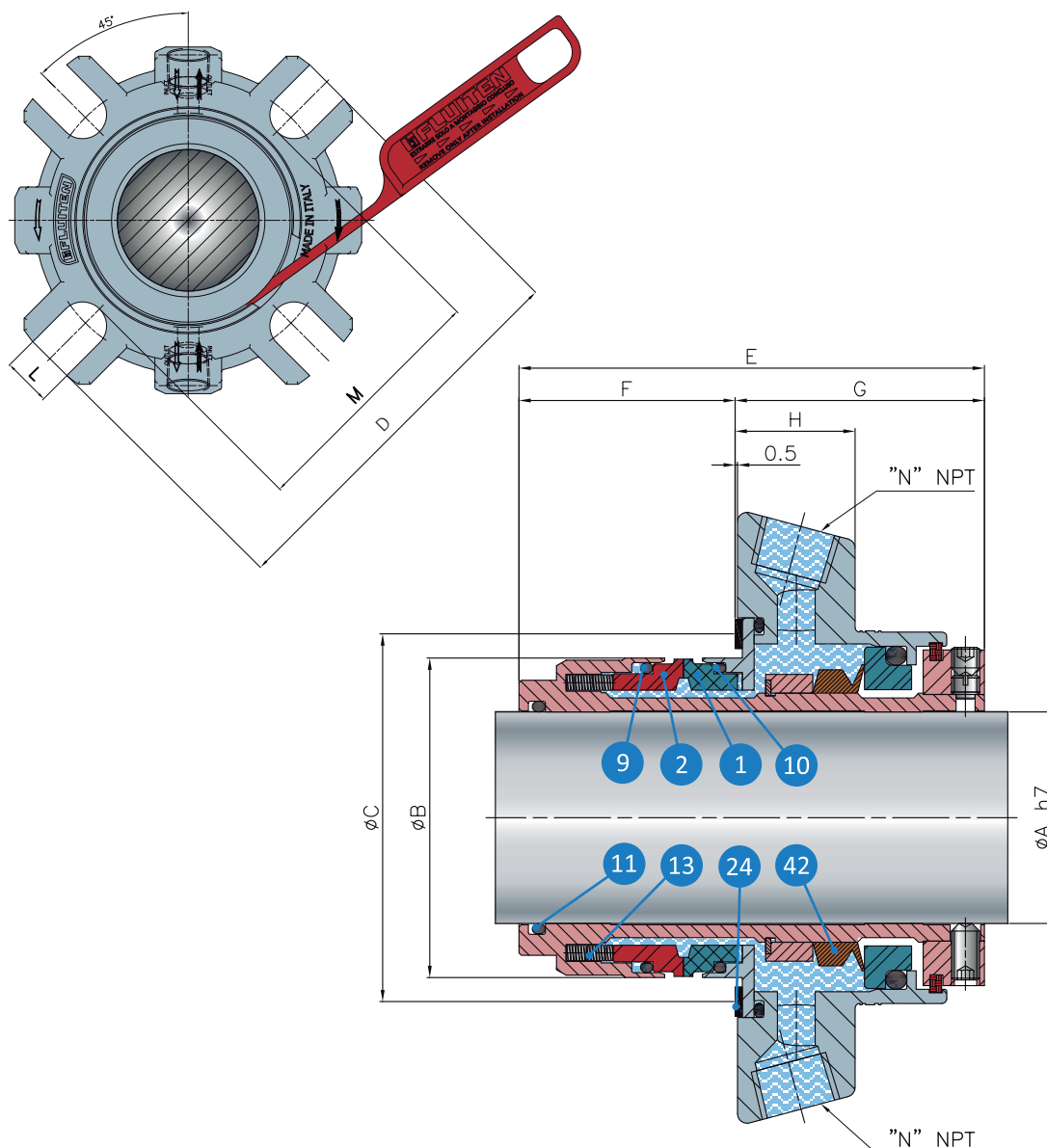


PUMPS



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) or graphite for dry running (ZD71)

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 AISI 316 (E)

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

42 V-ring in rubber (G) or FKM (V) or EPDM (D)

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	96	46	50	25,5	14	63	1/4"
022	22	46	47	52	98	96	46	50	25,5	14	63	1/4"
025	25	48	49	56	98	96	46	50	25,5	14	65	1/4"
028	28	50	51	57	106	96	46	50	25,5	14	67	1/4"
030	30	53	54	61,5	106	97	46	51	25,5	14	72	1/4"
032	32	56	57	66	120	98	46	52	25,5	14	76	1/4"
033	33	56	57	66	120	98	46	52	25,5	14	76	1/4"
035	35	58	59	68	120	98	46	52	25,5	14	76	1/4"
038	38	61	62	70,5	127	98	46	52	25,5	14	81	3/8"
040	40	63	64	73	135	98	46	52	25,5	14	81	3/8"
043	43	66	67	75	135	98	46	52	25,5	14	87	3/8"
045	45	68	69	78	148	99	46	53	25,5	14	87	3/8"
048	48	73	74	83	148	99	46	53	25,5	18	94	3/8"
050	50	73	74	83	148	99	46	53	25,5	18	94	3/8"
053	53	78	79	91	158	99,5	46	53,5	25,5	18	102	3/8"
055	55	78	79	91	158	99,5	46	53,5	25,5	18	102	3/8"
058	58	83	84,5	98,5	163	99,5	46	53,5	25,5	18	112	3/8"
060	60	83	84,5	98,5	163	99,5	46	53,5	25,5	18	112	3/8"
063	63	93	95	108	178	99,5	46	53,5	25,5	18	125	3/8"
065	65	93	95	108	178	99,5	46	53,5	25,5	18	125	3/8"
068	68	98	100	113	185	106	46	60	28,5	18	130	3/8"
070	70	105	107	118	193	115,5	52	63,5	28,5	18	135	3/8"
075	75	110	113	123	198	115,5	52	63,5	28,5	22	140	3/8"
080	80	115	118	130	205	115,5	52	63,5	28,5	22	145	3/8"
085	85	121	124	135	208	117,5	54	63,5	28,5	22	150	3/8"
090	90	126	129	140	218	117,5	54	63,5	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