



机械密封

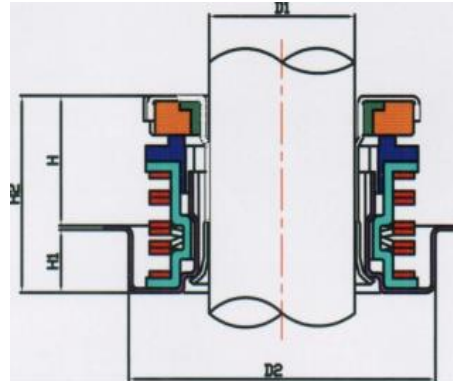
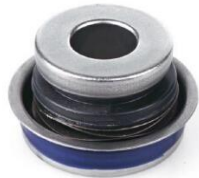
Mechanical seal

01

EVERGOLD HOLDING CO., LTD

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Structure 20/21 of integral seals

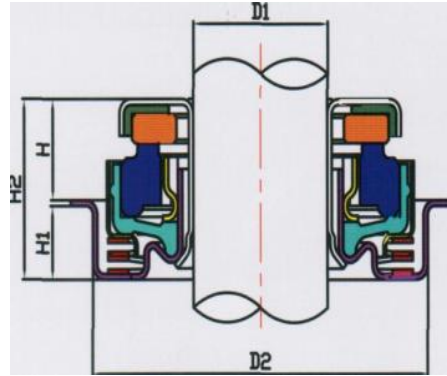


style	Axis dia(D1)	Hole dia of pump shell(D2)	Working height(H)	H1	H2
C12A21	12	30	7.6	7.6	17.5
C12D20	12	30	9.1	6.3	17.5
C12N20	12	30	7.6	7.6	17.5
C12U20	12	30	7.49	7.05	16
C12V20	12.7	30	8.8	7.05	17.5
C16E20	15.918	36.5	9.1	8	19.5
C16E21	15.918	36.5	9.1	8	19.5
C16F20	15.918	36.45	9.1	8	19.5
C16G20	15.918	38.1	9	8	19.5
C16G21	15.918	38.1	9	8	19.5
C16I20	15.918	34.2	10.1	7	19.5
C16I21	15.918	34.2	10.1	7	19.5
C16L20	15.918	39.5	9.1	8.64	19.5
C16R20	15.918	36.5	9.1	8.5	19.5
C16S21	15.918	36.5	8.1	8	19.5
C17D21	17	35	10.1	8	20.5
C17S21	17	36.5	10.1	8	20.5

Note:

1. Because of using wafer spring, the force acting on the sealing surface is more uniform. The following track performance of water seal is improved significantly.
2. Lower working height. It can improve seal's working surroundings.
3. Adhesive structure.

Structure 10/1Z/15 of integral seals

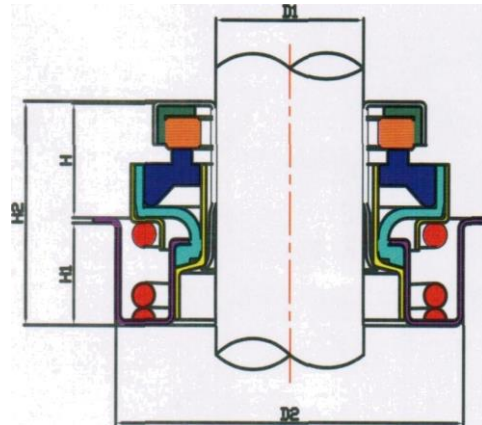


style	Axis Dia(D1)	hole dia of pump shell(D2)	working height(H)	H1	H2
C12B10	12	30	7.1	5.5	13.8
C12B12	12	30	7.1	5.5	13.8
C12B15	12	30	7.1	5.5	13.8
C16A12	15.918	36.5	8.1	7	16.8
C16A10	15.918	36.5	8.1	7	16.8
C16B12	15.918	34.2	8.1	7	16.8
C16B10	15.918	34.2	8.1	7	16.8
C16G12	15.918	38.1	8.1	7	16.8
C16G10	15.918	38.1	8.1	7	16.8
C17A12	17	35	8.1	7	16.8
C17A10	17	35	8.1	7	16.8

Note:

1. Because of using wafer spring, the force acting on the sealing uniform. the following track performance of water seal is improved significantly.
2. Lower working height. It can improve seal's working
3. Interferent fitting structure and fully automated production
4. In order to customer's management. working height and ring's side are integrated. And design is modular.
5. This kind of seals can replace any other structure's mechanical seals.
6. Torch strongly recommends this kind of mechanical seals.

Structure Cummins of integral seals

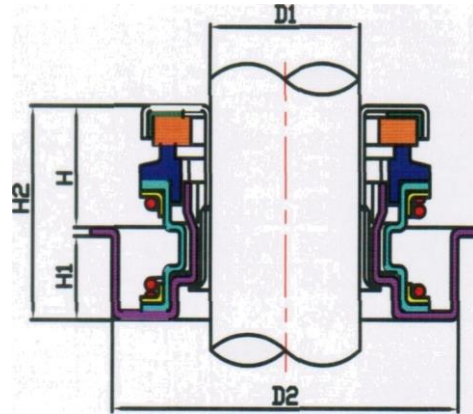


style	Axis Dia(D1)	hole dia of pump shell(D2)	working height(H)	H1	H2
C16A	15.918	36.46	10.9	9.5	20.8
C20A	20	52	16.5	10	29.5
C20B	20	42	16.5	10	29.5

Note:

1. Use cylindrical spiral spring.
2. Full interference fitting structure.

Structure 0,0/01 of integral seals



style	Axis Dia(D1)	hole dia of pump shell(D2)	working height(H)	H1	H2
C12A	12	30	9.3	8	19.5
C12C	12	30	9.5	8.5	21
C12D	12	30	9.1	6.3	17.5
C12E	12	38.1	8.8	8	19.5
C12F	12.7	28.5	9.2	6.3	17
C12H	12.04	30	9.3	7.6	19.5
C12J	12	30	9.3	8	19.5
C12L	12	30	7.94	7.8	18
C12M	12	28.5	8	8	17.5
C12N	12	30	7.94	7.6	17.5
C12P	12	30	7.5	7.1	16
C12R	11.8	38.1	8.8	8	19.5
C12S	12	30	9.3	8	19.5
C12U	12	30	7.49	7.05	16
C12V	12.7	30	8.8	7.05	17.5
C12X	12	30	8.34	7.6	17.5
C13A	13	30	9.3	8	19.5
C13B	13	28.5	9.2	6.3	17
C15A	15	30	10.6	8	21
C15B	15	36.5	11.84	8	22
C15C	15	36	10.9	9.45	22
C16B	15.918	34.2	11.84	5.64	19.5
C16C01	15.918	34.2	12.3	7.1	21.5
C16D	15.918	34.2	11.84	8	22
C16E	15.918	36.5	11.84/10.84	8	22/21.5

style	Axis Dia(D1)	hole dia of pump shell(D2)	working height(H)	H1	H2
C16F	15.918	36.45	10.8	8	21
C16G	15.918	38.1	10.8	8	21
C16T	15.918	36.5	11.84	8	22
C16H	15.918	34.24	11.1	6.3	19.5
C16I	15.918	34.2	11.84	7	21
C16K	15.918	36.45	11.1	6.3	19.5
C16L	15.918	39.5	10.8	8.64	22
C16M	16	36.5	10.84	8	21
C16N	15.918	36.5	10.84	8	21
C16Q	15.918	34.2	11.84	5.64	19.5
C16R	15.918	36.5	10.8	8.5	21
C16S	15.918	38.6	10.8	8	21
C16P	15.918	55	11.84	8.5	22
C16X	15.918	23.7	18	7	
C16Z	15.918	47.6	10.8	8	21
C17A	17	35	13	8	23
C17B	17	35	13	9.5	25
C17D	17	35	13.5	8	24
C17D01	17	35	13.5	8	24
C20D	20	52	13	10.6	26
C16E01	15.918	36.5	10.8	8	21.5

Note:

1. Use cylindrical spiral spring.
2. Adhesive structure.

Part name	Material chosen	material code
retainer,bellows seat,springseat	SUS304,1Cr18Ni9,SUS430	
stationary ring	hot resin carbon graphite(molded graphite)	M
	high strength impregnated graphite,high strength graphite without being impregnated.	S
	high strength sintering impregnated graphite,high strength sintering graphite without being impregnated	G
	silicon carbide composite material	V
rotating ring	alumina ceramic	A
	silicon carbide	H
	silicon carbide composite material	V
spring	SUS304,1Cr18Ni9,1Cr18Ni9Ti,C group carbon spring steel wire(chrome-plated parts)	
auxiliary ring,bellows	NBR	N
	H-NBR	H


Material chosen principals

Antifreeze Type	Speed	rotating ring code	Primary ring code
organic acids series,phosphoric acids series, half-organic acids series.	Max6000rpm; ϕ 12	M	A
	Max8000rpm; ϕ 12	SorG	AorH
	Max12000rpm; ϕ 12	SorG	H
silica series		V	V

Temperature	Rubber	Material code
ordinary-35-100°C Max110°C	NBR	N
ordinary-50-140°C Max150°C	H-NBR	H



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