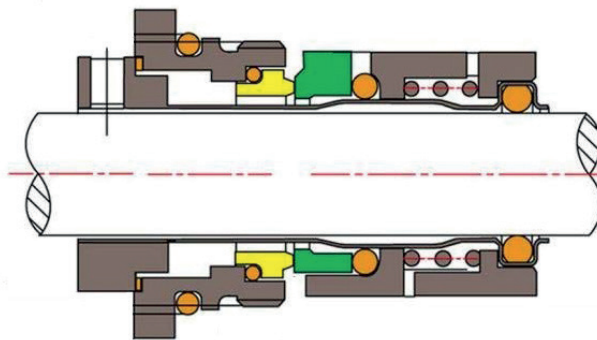


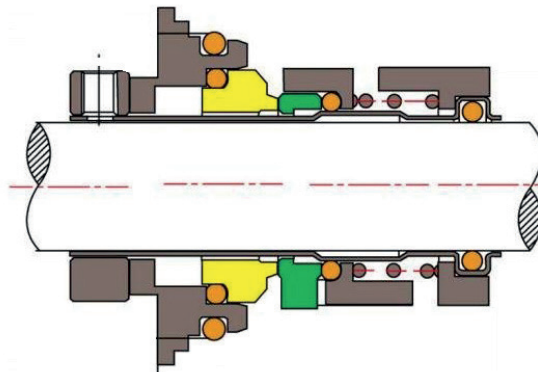
Hamburg 1

Operating Limits:
 Pressure: $\leq 1.0\text{MPa}$
 Speed: $\leq 10\text{m/s}$
 Temperature: $-30\text{C}^{\circ}+180\text{C}^{\circ}$



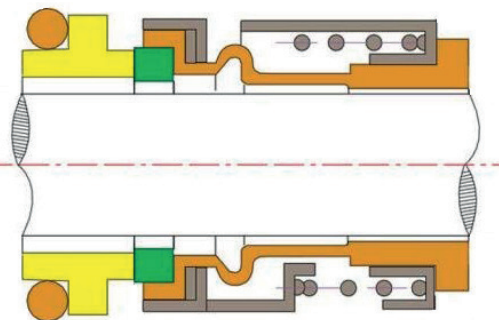
Hamburg 2

Operating Limits:
 Pressure: $\leq 1.0\text{MPa}$
 Speed: $\leq 10\text{m/s}$
 Temperature: $-30\text{C}^{\circ}+180\text{C}^{\circ}$



Hamburg 3

Operating Limits:
 Pressure: $\leq 1.2\text{MPa}$
 Speed: $\leq 10\text{m/s}$
 Temperature: $-30\text{C}^{\circ}+200\text{C}^{\circ}$



Hamburg 1				
MATERIALS	SIZE	PUMP MOD. GRUNDFOS	CITYLINE COD.	DESCRIPTION
UUE	12 mm	CR 1/3/5/8, CRN 1/3/5, CRN 1/3	HA10001	HA1012UUE
QQV	12 mm	CR 1/3/5/8, CRN 1/3/5, CRN 1/3	HA10002	HA1012QQV
UUV	12 mm	CR 1/3/5/8, CRN 1/3/5, CRN 1/3	HA10003	HA1012UUV
BUV	12 mm	CR 1/3/5/8, CRN 1/3/5, CRN 1/3	HA10004	HA1012BUV
BUE	16 mm	CR 10/15/20, CRN 10/15/20	HA10005	HA1016BUE
QQV	16 mm	CR 10/15/20, CRN 10/15/20	HA10006	HA1016QQV
UUV	16 mm	CR 10/15/20, CRN 10/15/20	HA10007	HA1016UUV
BUV	16 mm	CR 10/15/20, CRN 10/15/21	HA10008	HA1016BUV
Hamburg 2				
BUE	22 mm	CR 32/45/64/90, CRN 32/45/64/90	HA20001	HA2022BUE
UUE	22 mm	CR 32/45/64/90, CRN 32/45/64/91	HA20002	HA2022UUE
QQV	22 mm	CR 32/45/64/90, CRN 32/45/64/92	HA20003	HA2022QQV
UUV	22 mm	CR 32/45/64/90, CRN 32/45/64/93	HA20004	HA2022UUV
Hamburg 3				
QQE	12 mm	CR 2/4/8, CRN 2/4(S)	HA30001	HA3012QQE
QQV	12 mm	CR 2/4/8, CRN 2/4(S)	HA30002	HA3012QQV
UUV	12 mm	CR 2/4/8, CRN 2/4(S)	HA30003	HA3012UUV
QQE	16 mm	CR 8/16, CRN 8/16(S)	HA30004	HA3016QQE
QQV	16 mm	CR 8/16, CRN 8/16(S)	HA30005	HA3016QQV
UUV	16 mm	CR 8/16, CRN 8/16(S)	HA30006	HA3016UUV