



ITT

Lowara

FHE/A - FHE/P pump Series Mechanical Seals (standard - optional)							ST/FHE		
							Issue 1st : 01/11/1999		
							Last issue: March2010		Rev.
Dia X L(k) mm	Type UNITEN Roten Supplier ext	Materials sliding faces, seals, spring A316, others			P/N	Digit	Used on:		
		Rotary - Stationary	Elastomer OR	DIN EN 12756 (DIN 24960)					
22 X 37,5	3K	CERAMIC -CARBON	NBR	VBPGG	002232200	STD	FHE 2/4 POLE:	FHS 2/4 POLE:	FHF 2/4 POLE:
	3K	CERAMIC -CARBON	EPDM	VBEGG	002232204	B	32-125 ; 32-160 ; 32-200	32-125 ; 32-160 ; 32-200	32-125 ; 32-160 ; 32-200
	3K	CERAMIC -CARBON	FPM	VBVGG	002232201	A	40-125 ; 40-160 ; 40-200	40-125 ; 40-160	40-125 ; 40-160 ; 40-200
	5K-CL	CERAMIC -CARBON Z	EPDM	VCEGG	002232270	5	50-125 ; 50-160 ; 50-200	FHS 2/4 POLES:	50-125 ; 50-160 ; 50-200
	5K-CL	CERAMIC -CARBON Z	FPM	VCVGG	002232271	C	65-125	40-200	65-125
	5K-CL	WIDIA -CARBON Z	EPDM	U3CEGG	002232272	L	+ MODELS:	50-160 ; 50-200	+ MODELS:
	5K-CL	WIDIA -CARBON Z	FPM	U3CVGG	002232273	U	FHE 40-250/92, /110	65-125	FHF 40-250/110
	5K-CL	WIDIA -SiC	EPDM	U3Q1EGG	002232247	P	FHE4 40-250/11, /15	+ MODELS:	FHF4 40-250/11, /15
	5K-CL	WIDIA -SiC	FPM	U3Q1VGG	002232248	N	FHE 65-160/92	FHS 40-250/110, /110A	FHF 65-160/110A
	5K-CL	WIDIA -WIDIA	EPDM	U3U3EGG	002232248	T	FHE4 65-160/11	FHS4 40-250/11, /15	FHF4 65-160/11A
	5K-CL	WIDIA -WIDIA	FPM	U3U3VGG	002232246	S	2FHE 2/4 POLE:	FHS 50-125	FHF 65-160/110A
	5K-CL	SiC - Si-SiC	EPDM	JQ1EGG	002232274	Z	32-250	FHS 65-160/110A	FHF4 65-160/11
	5K-CL	SiC - Si-SiC	FPM	JQ1VGG	002232244	W		FHS4 65-160/11, /15	
	28 X 42,5	3K	CERAMIC -CARBON	NBR	VBPGG	002232800	STD	FHE 2/4 POLE:	FHS 2/4 POLE:
3K		CERAMIC -CARBON	EPDM	VBEGG	002232801	B	50-250	50-250	50-250
3K		CERAMIC -CARBON	FPM	VBVGG	002232802	A	65-200 ; 65-250	65-200 ; 65-250	65-160 ; 65-250
5K-CL		CERAMIC -CARBON Z	EPDM	VCEGG	002232847	5	80-160 ; 80-200	80-160 ; 80-200	80-200
5K-CL		CERAMIC -CARBON Z	FPM	VCVGG	002232848	C	+ MODELS:	+ MODELS:	+ MODELS:
5K-CL		WIDIA -CARBON Z	EPDM	U3CEGG	002232849	L	FHE 40-250/150	FHS 40-250/150	FHF 40-250/150
5K-CL		WIDIA -CARBON Z	FPM	U3CVGG	002232805	U	FHE4 40-250/22	FHS4 40-250/22	FHF4 40-250/22
5K-CL		WIDIA -SiC	EPDM	U3Q1EGG	002232870	P	FHE 65-160/110, /150	FHS 65-160/110, /150	FHF 65-200/150, /185, /220
5K-CL		WIDIA -SiC	FPM	U3Q1VGG	002232847	N	FHE4 65-160/15, /22	FHS4 65-160/22	FHF4 65-200/15, /22, /30
5K-CL		WIDIA -WIDIA	EPDM	U3U3EGG	002232871	T	FHE4 80-250/40	FHS 80-250/370	FHF 80-160/110, /150, /185
5K-CL		WIDIA -WIDIA	FPM	U3U3VGG	002232845	S		FHS4 80-250/40	FHF4 80-160/15, /22
5K-CL		SiC - Si-SiC	EPDM	JQ1EGG	002232873	Z			FHF 80-250/370
5K-CL		SiC - Si-SiC	FPM	JQ1VGG	002232874	W			FHF4 80-250/40
33 X 42,5		3K	CERAMIC -CARBON	NBR	VBPGG	002233300	STD	MODELS:	MODELS:
	3K	CERAMIC -CARBON	EPDM	VBEGG	002233301	B	FHE4 80-250/55, /75	FHS 80-250/450, /550	FHF 80-250/450, /550
	3K	CERAMIC -CARBON	FPM	VBVGG	002233302	A		FHS4 80-250/55, /75	FHF4 80-250/55, /75
	5K-CL	CERAMIC -CARBON Z	EPDM	VCEGG	002233341	5			
	5K-CL	CERAMIC -CARBON Z	FPM	VCVGG	002233342	C			
	5K-CL	WIDIA -CARBON Z	EPDM	U3CEGG	002233343	L			
	5K-CL	WIDIA -CARBON Z	FPM	U3CVGG	002233305	U			
	5K-CL	WIDIA -SiC	EPDM	U3Q1EGG	002233344	P			
	5K-CL	WIDIA -SiC	FPM	U3Q1VGG	002233340	N			
	5K-CL	WIDIA -WIDIA	EPDM	U3U3EGG	002233345	T			
	5K-CL	WIDIA -WIDIA	FPM	U3U3VGG	002233346	S			
	5K-CL	SiC - Si-SiC	EPDM	JQ1EGG	002233347	Z			
	5K-CL	SiC - Si-SiC	FPM	JQ1VGG	002233348	W			

ext. = stationary extension (short, long, special) with stop ring/key

L_(k) = Working length
 UNITEN : mechs with dimensions acc. DIN 12756 (DIN 24960) / ISO 3069 std
 CL = stationary ring with extension and slot

Materials.
 Ceramic
 Carbon
 Special carbon Z

Widia = Tungsten carbide
 SiC , Si-SiC = Solid silicon carbide
 A316

NBR = Nitrile
 EPDM = Ethylene propylene
 FPM = Fluoro carbon



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FHE/A - FHE/P pump Series O-Ring (standard - optional)					ST/FH				
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<p>NBR = Nitrile Fluoro carbon = like VITON EPDM = Ethylene propylene</p>									
Models		OR Size		Material		Dim's		P/N	
FHE - FHS - FHF		USED ON PARTS							
Std B A	32-125	CASING dim. 1	NBR EPDM FPM	171 X 3.53 171 X 3.53 171 X 3.53	002221275 002221774 002221638				
	32-160								
	40-125								
	40-160								
	50-125								
Std B A	32-200	CASING dim. 2	NBR EPDM FPM	209.1 X 3.53 209.1 X 3.53 209.1 X 3.53	002221281 002221777 002221662				
	40-200								
	50-160								
	50-200								
	65-125								
Std B A	40-250	CASING dim. 3	NBR EPDM FPM	253.6 X 3.53 253.6 X 3.53 253.6 X 3.53	002221288 002221788 002221666				
	50-250								
	65-160								
	65-200								
	65-250								
	80-160								
	80-200								
	80-250								
Models		OR Size		Material		Dim's		P/N	
2FHE		USED ON PARTS							
Std B A	32-250	Diffuser	NBR EPDM FPM	240.9 X 3.53 240.9 X 3.53 240.9 X 3.53	002221286 002221884 002222687				
Std B A	32-250	Suction flange	NBR EPDM FPM	266.27 X 3.53 266.27 X 3.53 266.27 X 3.53	002221289 002221886 002222690				