



# ITT

## 1-3-5-10-15-22 SV Pumps Series Mechanical Seals ( standard - optional )

ST/e-SV-T 1/3  
Issue 1st: 10/01/2010  
Last issue: Rev.

Dia (mm)	Type Roten Supplier ext.	Sliding faces, seals, spring and other components materials						DIN EN 12756 (ex DIN 24960)	Mech. with Sleeve OR	
		Rotary - Stationary	Elastomer OR	Spring	P/N	Used on	Digit			
12 X 32,5	UNITEN 5K	SILICON CARBIDE-CARBON	EPDM	A316	002231255	1SV	STD	Q1BEGG*	KL01AAD	
	UNITEN 5K	WIDIA-CARBON	FPM		002231241	3SV	J	U3BVGG		
	UNITEN 5K	SILICON CARBIDE-WIDIA	EPDM		002231242	5SV	P	Q1U3EGG		
	UNITEN 5K	SILICON CARBIDE-WIDIA	FPM		002231243		N	Q1U3VGG		
	UNITEN 5K	SILICON CARBIDE ( 2 KINDS )	EPDM		002231245		Z	Q1Q1EGG		
	UNITEN 5K	SILICON CARBIDE ( 2 KINDS )	FPM		002231246		W	Q1Q1VGG		
	UNITEN 5K	WIDIA-WIDIA	FPM		002231247		S	U3U3VGG		
	UNITEN 5K	CARBON Z-WIDIA	FPM		002231248		U	U3CVGG		
	UNITEN 5K	WIDIA-WIDIA	EPDM		002231249		T	U3U3EGG*		
	UNITEN 5K	CARBON Z-WIDIA	EPDM		002231250		L	U3CEGG		
	UNITEN 5K	SILICON CARBIDE-CARBON	FPM		002231251		2	Q1BVGG		KL01AAG
	UNITEN 5K	CL SILICON CARBIDE ( 2 KINDS )	EPDM		002231257		Z	Q1Q1EGG		KL01AC7
	UNITEN 5K	CL SILICON CARBIDE ( 2 KINDS )	FPM		002231258		W	Q1Q1VGG		KL01AC9
	UNITEN 5K	TRCL SILICON CARBIDE-CARBON Z	PTFE		002231259		Y	Q1CTGG		KL01ADB
UNITEN 5K	TRCL SILICON CARBIDE ( 2 KINDS )	PTFE	002231260		1	Q1Q1TGG	KL01ADD			
16 X 35	UNITEN 5K	SILICON CARBIDE-CARBON	EPDM	A316	002231638	10SV	STD	Q1BEGG*	KL01AAE	
	UNITEN 5K	SILICON CARBIDE ( 2 KINDS )	EPDM		002231639	15SV	Z	Q1Q1EGG		
	UNITEN 5K	WIDIA-CARBON	FPM		002231641		W	U3BVGG		
	UNITEN 5K	WIDIA-SILICON CARBIDE	EPDM		002231642	>=/= 4,0 kW	P	Q1U3EGG		
	UNITEN 5K	SILICON CARBIDE-WIDIA	FPM		002231643		N	Q1U3VGG		
	UNITEN 5K	SILICON CARBIDE ( 2 KINDS )	FPM		002231644		W	Q1Q1VGG		
	UNITEN 5K	WIDIA-WIDIA	FPM		002231645		S	U3U3VGG		
	UNITEN 5K	SILICON CARBIDE ( 2 KINDS )	FPM		002231646		W	Q1Q1VMG		
	UNITEN 5K	CL CARBON Z-WIDIA	EPDM		002231647		L	U3CEGG		
	UNITEN 5K	CARBON Z-WIDIA	FPM		002231648		U	U3CVGG		
	UNITEN 5K	WIDIA-WIDIA	EPDM		002231649		T	U3U3EGG*		
	UNITEN 5K	CL SILICON CARBIDE-WIDIA	PTFE		002231651		Y	U3Q1TGG		
	UNITEN 5K	SILICON CARBIDE ( 2 KINDS )	NBR		002231652		3	Q1Q1PGG		
	UNITEN 5K	TRCL SILICON CARBIDE ( 2 KINDS )	PTFE		002231654		1	Q1Q1TGG		KL01ADE
	UNITEN 5K	CL SILICON CARBIDE ( 2 KINDS )	FFKM		002231655		Y	Q1Q1KGG		
	UNITEN 5K	CL SILICON CARBIDE ( 2 KINDS )	EPDM		002231656		Z	Q1Q1EGG		KL01AC8
	UNITEN 5K	SILICON CARBIDE-CARBON	FPM		002231657		2	Q1BVGG		KL01AAH
	UNITEN 5K	CL SILICON CARBIDE ( 2 KINDS )	FPM		002231658		W	Q1Q1VGG		KL01ADA
	UNITEN 5K	TRCL SILICON CARBIDE ( 2 KINDS )	PTFE		002231659		Y	Q1CTGG		KL01ADC
	UNITEN 5K	CARBON-CARBON Z	EPDM		002231660		5	VCEGG		
UNITEN85N	CL SILICON CARBIDE ( 2 KINDS )	EPDM	002231683		P	Q1Q1EGG				
16 X 42,5	UNITEN E5K	SILICON CARBIDE-CARBON	EPDM	A316	002261600	10SV	STD	Q1BEGG*	KL01AD7	
	UNITEN E5K	SILICON CARBIDE ( 2 KINDS )	EPDM		002261601	15SV	Z	Q1Q1EGG		KL01AD3
	UNITEN E5K	CL SILICON CARBIDE ( 2 KINDS )	EPDM		002261602	22SV	-	Q1Q1EGG		
	UNITEN E5K	SILICON CARBIDE-CARBON	FPM		002261603	=/> 5,5 kW	2	Q1BVGG		KL01AD2
	UNITEN E5K	SILICON CARBIDE ( 2 KINDS )	FPM		002261604		W	Q1Q1VGG		KL01AD4
	UNITEN E5K	CL SILICON CARBIDE ( 2 KINDS )	FPM		002261605		-	Q1Q1VGG		
	UNITEN E5K	TRCL SILICON CARBIDE ( 2 KINDS )	PTFE		002261606		Y	Q1CTGG		KL01AD9
	UNITEN E5K	TRCL SILICON CARBIDE ( 2 KINDS )	PTFE		002261607		1	Q1Q1TGG		KL01AEA
	UNITEN E5K	CL WIDIA/WIDIA	FPM		002261608		Y	U3U3VGG		
	UNITEN E5K	SILICON CARBIDE - CARBON SPEC	EPDM		002261610		HT 150°	Q1AEGG		
UNITEN E5K	SILICON CARBIDE - CARBON SPEC	FPM	002261611		HT	Q1AVGG				

ext. = stationary extension (short CC,long CL, special) with stop ring/key, eventually positive drive TR.

### Materials.

Ceramic

Carbon

Special carbon Z

Graphite, Metalized

Carbon, Special, Metalized

Tungsten carbide = Widia

Solid silicon carbide

A316 = 316 SS

NBR = Nitrile rubber

EPDM = Ethylene propylene acc. WRAS std\*

FPM = Fluoroelastomer like Viton-R

PTFE = Polytetrafluoroethylene

like Teflon-R

FFKM = Perfluoroelastomer like Kalrez-R

**1-3-5-10-15-22 SV PUMP Series O-RINGS**

**ST/e-SV - E** 2/3

Issue 1st: 10/01/2010

Last issue: \_\_\_\_\_ Rev. \_\_\_\_\_

**1-3-5 SV std and speciality digits**

<b>Component</b>	<b>EPDM Elastomers (Standard version)</b>	<b>Kit</b>	<b>FPM Elastomers (Speciality A)</b>	<b>Kit</b>	<b>FEP-FPM Elastomers (Speciality G)</b>	<b>Kit</b>
OR internal pin drain plug 1-5SV	002221826 (OR 6.02 x 2.62 EPDM)	KL02AA1	002222503 (OR 6.02 x 2.62 FPM)	KL02AA2	002223090 (OR 6.02 x 2.62 FFKM)	KL02AA3
OR external body drain plug	002221827 (OR 9.19 x 2.62 EPDM)	KL02AA1	002222506 (OR 9.19 x 2.62 FPM)	KL02AA2	002223050 (OR 9.19 x 2.62 FEP-FPM)	KL02AA3
OR fill and drain plug 1-22SV # 2	002221829 (OR 15.88 x 2.62 EPDM)	KL02AA1	002222515 (OR 15.88 x 2.62 FPM)	KL02AA2	002223055 (OR 15.54 x 2.62 FEP-FPM)	KL02AA3
OR impeller wear ring 1-5SV -> # like stages	002221832 (OR 39.34 x 2.62 EPDM)		002222534 (OR 39.34 x 2.62 FPM)		002223056 (OR 39.34 x 2.62 FEP-FPM)	
OR outer sleeve 1-5SV #2	002221878 (OR 123.42 x 3.53 EPDM)	KL02AA1	002222664 (OR 123.42 x 3.53 FPM)	KL02AA3	002223155 (OR 126.6 x 3.53 FEP-FPM)	KL02AA3
OR for oval flange 1-5SV T # 2	002221866 (OR 47.22 x 3.53 EPDM)		002222623 (OR 47.22 x 3.53 FPM)		Not available	
Fill plug with air vent A304	140170770 (with OR EPDM)		Not available		Not available	
Fill plug with air vent A316	140170900 (with OR EPDM)		140170780 (with OR FPM)		140170790 (with OR FEP-FPM)	
Drain plug A304	140170920 (with OR EPDM)		Not available		Not available	
Drain plug A316	140170140 (with OR EPDM)		140170240 (with OR FPM)		140170720 (with OR FEP-FPM)	

**10-15-22 SV std and speciality digits**

<b>Component</b>	<b>EPDM Elastomers (Standard version)</b>	<b>Kit</b>	<b>FPM Elastomers (Speciality A)</b>	<b>Kit</b>	<b>FEP-FPM Elastomers (Speciality G)</b>	<b>Kit</b>
OR external body drain plug	002221827 (OR 9.19 x 2.62 EPDM)	KL02AA4	002222506 (OR 9.19 x 2.62 FPM)	KL02AA5	002223050 (OR 9.19 x 2.62 FEP-FPM)	KL02AA6
OR fill and drain plug 1-22SV # [ 3 ]	002221829 (OR 15.88 x 2.62 EPDM)	KL02AA4	002222515 (OR 15.88 x 2.62 FPM)	KL02AA5	002223055 (OR 15.54 x 2.62 FEP-FPM)	KL02AA6
OR mech seal sleeve	002221851 ( OR 15.47X3.53 EPDM)	KL02AA4	002222601 (OR 15.47X3.53 FPM)	KL02AA5	002223106 ( OR 15.47X3.53 FEP-FPM)	KL02AA6
OR balanced mech seal 10-22SV	002221855 ( OR 78.97X3.53 EPDM)	KL02AA4	002221622 ( OR 78,97X3,53 FPM)	KL02AA5	002223107 (OR D78,97X3,53 FEP-FPM)	KL02AA6
OR outer sleeve 10-22SV # 2	002221880 (OR 152 x 3.53 EPDM)	KL02AA4	002222673 (OR 152 x 3.53 FPM)	KL02AA5	002223156 (OR 158.3 x 3.53 FEP-FPM)	KL02AA6
OR for oval flange 10-22SV T # 2	002221870 (OR 66.27 x 3.53 EPDM)		002222641 (OR 66.27 x 3.53 FPM)		Not available	
Fill plug with air vent A304	140170770 (with OR EPDM)		Not available		Not available	
Fill plug with air vent A316	140170900 (with OR EPDM)		140170780 (with OR FPM)		140170790 (with OR FEP-FPM)	
Drain plug A304	140170930 (with OR EPDM)		Not available		Not available	
Drain plug A316	140170160 (with OR EPDM)		140170260 (with OR FPM)		140170730 (with OR FEP-FPM)	



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# ITT

## 1-3-5-10-15-22 SV Impeller Dimensions

ST/e-SV-G 3/3

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Pump Type	Impeller	Impeller	Dimensions ( mm )			
	P/N A304	P/N A316	D2	b2	D1	Dm
1SV	150703600	150703602	76	73	33	12
3SV	150703610	150703612	82	79	33	12
5SV	150703620	150703622	82	76	33	12
10SV	150703630	150703632	100	96,5	44	16
15SV	150703640	150703642	110	105	55	16
22SV	150703650	150703652	110	108	55	16

D2 --> - Imp. OUTside Blade Dia.  
b2 --> - Blade Height  
D1 --> - Imp. EYE Dia.  
Dm --> - Hub INTernal Dia.

