

2025

PUMP **TECH** SUPPLY LTD.

PRODUCT CATALOGUE

**KNOWLEDGE
SERVICE
COMMITMENT**

**IN STOCK
SAME DAY SHIPPING**

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CONTACT / INFO

PUMP TECH SUPPLY LTD.

Warehouse - 270 University Ave. West, Cobourg ON, K9A 2H7

Mailing - P.O. BOX 202, Cobourg PO MAIN, K9A 4K5

905-906-7307

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www.pumptechsupply.com

8:00 AM - 4:30 PM Monday to Friday

UPS Cut-off - 3:30PM / Purolator Cut-off - 2:30PM

SEAL NOTES

Do you know what seal is in your pump? - WE DO!

Please send a picture of your pump plate to help us identify your seal

Do you know what materials you need? - WE DO!

Please note what you are pumping, the temperature and concentration %

ELASTOMER GUIDELINES

BUNA	-40F to 250F	General service for water and mild chemicals.
VITON	-20F to 400F	Excellent high temperature and chemical performance. Not ideal in cold service.
EPR	-40F to 300F	Can NOT be used in any petroleum/oil based service. Excellent in cold water and glycol applications.

MATERIAL CODES

ELASTOMERS	ROTARY MATERIAL	SEAT MATERIAL
B = BUNA	C = CARBON	J = CERAMIC
V = VITON	M = PHENOLIC CARBON	K = NIRELIST (Metal)
E = EPR/EPDM	X = SILICON CARBIDE (SiC)	X = SILICON CARBIDE (SiC)
N = NEOPRENE	Z = TUNGSTEN CARBIDE	Z = TUNGSTEN CARBIDE

PUMP SEALS



TYPE 16 - TYPE G



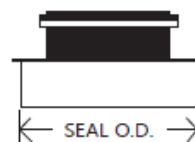
					
Type A	Type B	Type C	Type J	Type K	Type X
Ceramic CUP	Niresist CUP	Ceramic O-Ring	Niresist O-Ring	Ceramic wTWO Cups	Silicon Carbide CUP

PUMP TECH #	SHAFT SIZE	SEAT OD	SEAT THICK	SEAT TYPE	HEAD TYPE	ROTARY MATERIAL	ELASTOMER	NOTES / REFERENCE / CROSS
MS-5007	.437	1.187	.285	X	G	Carbon	Viton	Same as seal in ARM 880202-677
MS-162	.500	1.000	.312	A	16	Phenolic	Buna	
MS-702	.625	1.187	.281	A	16	Phenolic	Buna	
MS-701	.625	1.187	.281	B	16	Phenolic	Buna	
MS-680	.625	1.187	.281	A	16	Carbon	Buna	Goulds 10K10
MS-1000	.625	1.187	.343	A	16	Phenolic	Buna	PAC 100
MS-100BCJ	.625	1.187	.343	A	G	Carbon	Buna	PS-4267
MS-100VUS	.625	1.187	.343	A	G	Carbon	Viton	PS-3866
PS-100VXX	.625	1.187	.343	X	G	Sil-Carbide	Viton	PS-1900
MS-2000	.625	1.250	.406	A	16	Phenolic	Buna	PAC 200
MS-200BCJ	.625	1.250	.406	A	G	Carbon	Buna	PS-3960
MS-200VUS	.625	1.250	.406	A	G	Carbon	Viton	PS-3867
MS-200E	.625	1.250	.406	A	16	Carbon	EPR	PAC 200E
PS-200VXX	.625	1.250	.406	X	G	Sil-Carbide	Viton	PS-1901
MS-2000N	.625	1.250	.406	B	16	Carbon	Buna	
MS-60678	.625	1.250	.406	C	16	Phenolic	Buna	
MS-97929BCJ	.625	1.250	.125	A	16	Carbon	Buna	Grundfos 465126
MS-2001	.625	1.250	.343	A	16	Carbon	Buna	
MS-5010	.625	1.250	.406	A	16	Phenolic	Buna	PAC 501 - Extended Bellows
MS-1121SP	.625	1.381	.406	A	G	Carbon	Buna	Hayward SPX4000SA2
MS-606150	.625	1.403	.280	A	16	Carbon	Buna	Champion Dishwasher
MS-2131	.625	1.531	.625	K	16	Phenolic	Buna	Hayward SP1500KA
MS-2010	.750	1.375	.406	A	16	Phenolic	Buna	PAC 201
MS-201BCJ	.750	1.375	.406	A	G	Carbon	Buna	PS-4265
MS-201VUS	.750	1.375	.406	A	G	Carbon	Viton	PS-3868
MS-201E	.750	1.375	.406	A	16	Carbon	EPR	PAC 201E
PS-201VXX	.750	1.375	.406	X	G	Sil-Carbide	Viton	PS-1902
MS-1010	.750	1.437	.406	A	16	Phenolic	Buna	
PS-4274	.750	1.680	.630	K	16	Phenolic	Buna	2 nd Cup for 1.750" OD
MS-60804	.875	1.500	.406	A	16	Carbon	Buna	
MS-360	1.000	1.625	.437	A	16	Phenolic	Buna	
MS-360VXX	1.000	1.625	.437	X	G	Sil-Carbide	Viton	PS-1909
MS-3883	1.250	1.875	.437	A	G	Carbon	Buna	B&G, Sta-Rite, Berkeley
MS-6261E	1.250	1.875	.437	A	G	Carbon	EPR	P75221
PS-6265VXX	1.250	1.875	.437	X	G	Sil-Carbide	Viton	U9-451SS
MS-3992	1.500	2.125	.437	A	G	Carbon	Viton	MP Pump 31374
MS-6262E	1.625	2.375	.500	A	G	Carbon	EPR	P75222
PS-4357	2.000	2.750	.500	note	G	Carbon	EPR	P5001889, floating O-Ring Seat
MS-75396	2.125	3.000	.562	C	G	Carbon	EPR	P75396
MS-3802	3.000	3.875	.625	X	G	Carbon	EPR	B&G P5001893

PUMP SEALS



TYPE 68 - TYPE B



				
Type A	Type D	Type E	Type F	Type X
Ceramic CUP	Ceramic Shaft Mount	Niresist Shaft Mount	Ceramic Shaft Mount	Silicon Carbide CUP

PUMP TECH #	SHAFT SIZE	SEAL OD	SEAT OD	SEAT THICK	SEAT TYPE	ROTARY MATERIAL	ELASTOMER	NOTES / REFERENCE / CROSS
PS-671	.375	1.125	.875	.165	A	Phenolic	Buna	Waterway
MS-1630	.500	1.125	1.000	.312	A	Phenolic	Buna	
MS-447	.625	1.437	Shaft Mt.	.213	F	Carbon	Buna	
MS-451	.625	1.437	Shaft Mt.	.320	E	Phenolic	Buna	
MS-80611	.625	1.437	1.078	.210	A	Phenolic	Buna	
MS-600SS	.625	1.437	1.187	.343	A	Phenolic	Buna	
MS-1000SS	.625	1.437	1.250	.406	A	Phenolic	Buna	
MS-1000SSBCJ	.625	1.437	1.250	.406	A	Carbon	Buna	PS-961
MS-1000SSV	.625	1.437	1.250	.406	A	Carbon	Viton	PAC 1000SSV
MS-1000SSVUS	.625	1.437	1.250	.406	A	Carbon	Viton	PS-3865
MS-1000SSVXX	.625	1.437	1.250	.406	X	Sil-Carbide	Viton	PS-1905
MS-1000-138	.625	1.437	1.375	.406	A	Phenolic	Buna	Marlow
MS-601	.750	1.575	1.375	.406	A	Carbon	Buna	
MS-601V	.750	1.575	1.375	.406	A	Carbon	Viton	
MS-441SS	.750	1.575	Shaft Mt.	.312	E	Phenolic	Buna	Marlow
MS-H20MM	20mm	40/45mm	1.375	.205	A	Carbon	Buna	Honda
MS-H20MMVXX	20mm	40/45mm	1.375	.205	X	Sil-Carbide	Viton	Honda w/seal head cup (45mm)
MS-2965	30mm	52mm	48mm	8mm	A	Carbon	Buna	Honda
MS-8501VXX	30mm	52mm	48mm	8mm	X	Sil-Carbide	Viton	Honda

Type 68 Seal

Sometimes referred to as a “reverse seal”. Many applications have the seal head w/spring, mounted as the stationary element while the seat is mounted to the shaft and rotates.



MS-LUBE

P-80 Industry standard water based seal installation lubricant

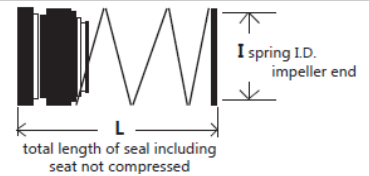
20 minute working time and then evaporates completely for a solid install

1 Pint / 475 ml - MSDS sheet available

PUMP SEALS



TYPE 21



Type A

Ceramic CUP



Type B

Niresist CUP



Type C

Ceramic O-Ring



Type J

Niresist O-Ring

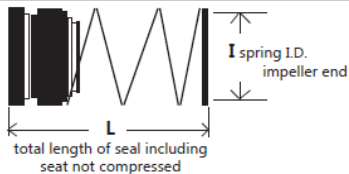


Type X

Silicon Carbide CUP

PUMP TECH #	SHAFT SIZE	SEAT OD	SEAT THICK	SEAT TYPE	DIM. "L"	DIM. "I"	ROTARY MATERIAL	ELASTOMER	NOTES / REFERENCE / CROSS
MS-10304	.375	.875	.284	A	1.375	.700	Carbon	Buna	
MS-10312	.375	1.000	.250	A	1.460	.685	Carbon	Buna	
MS-103910X	.394	.969	.343	A	1.875	.700	Carbon	Buna	10mm
MS-103901	.394	1.000	.311	A	1.500	.700	Carbon	Buna	10mm
MS-174	.437	1.175	.265	A	1.750	.700	Carbon	Buna	
MS-10409	.437	1.181	.254	A	1.375	.700	Carbon	Buna	FDA Approved
MS-104704	.472	1.000	.311	A	1.810	.700	Carbon	Buna	12mm
MS-104710	.472	1.094	.343	A	1.875	.700	Carbon	Buna	12mm
MS-4022	.500	.938	.237	A	1.375	.735	Carbon	Buna	PS-3844 / Armstrong 816706-021
MS-4022V	.500	.938	.237	A	1.375	.735	Carbon	Viton	PS-3843 / Armstrong 816706-023
MS-392ECX	.500	.938	.237	X	1.375	.735	Carbon	EPR	Glycol >50% / Hard faces
MS-392EXX	.500	.938	.237	X	1.375	.735	Sil-Carbide	EPR	Glycol >50% / Hard faces
MS-168	.500	1.000	.312	A	1.750	.700	Carbon	Buna	
MS-168V	.500	1.000	.312	A	1.750	.700	Carbon	Viton	
MS-129	.590	1.250	.406	A	2.000	1.175	Carbon	Buna	15mm
MS-129V	.590	1.250	.406	A	2.000	1.175	Carbon	Viton	15mm
MS-105907	.590	1.250	.406	B	2.000	1.175	Carbon	Buna	15mm
MS-800	.625	1.148	.312	A	2.500	.970	Carbon	Buna	
MS-70040S	.625	1.187	.280	A	1.830	.870	Carbon	Buna	Tuthill - Seal Head OD 1.055
MS-4031VCX	.625	1.187	.296	X	1.750	.870	Carbon	Viton	Goulds 10K55
MS-4226VXX	.625	1.187	.296	X	1.750	.870	Sil-Carbide	Viton	Goulds 10K62
MS-118	.625	1.187	.343	A	1.875	.970	Carbon	Buna	
MS-118V	.625	1.187	.343	A	1.875	.970	Carbon	Viton	
MS-118VXX	.625	1.187	.343	X	1.875	.970	Sil-Carbide	Viton	Hard Faces
MS-263	.625	1.187	.343	B	1.875	.970	Carbon	Buna	
MS-474	.625	1.250	.375	B	1.875	.970	Carbon	Buna	
MS-474V	.625	1.250	.375	B	1.875	.970	Carbon	Viton	
MS-359	.625	1.250	.406	A	1.875	.970	Carbon	Buna	
MS-290	.625	1.250	.406	A	1.700	.875	Carbon	Buna	
MS-359JC	.625	1.250	.406	A	2.050	.875	Carbon	Buna	John Crane
MS-359E	.625	1.250	.406	A	1.875	.970	Carbon	EPR	
MS-359V	.625	1.250	.406	A	1.875	.970	Carbon	Viton	
MS-359VCX	.625	1.250	.406	X	1.875	.970	Carbon	Viton	
MS-359EP66X	.625	1.250	.406	X	2.130	.850	Carbon	EPR	Upgraded Carbon - TACO
MS-359VXX	.625	1.250	.406	X	1.875	.970	Sil-Carbide	Viton	Hard Faces
MS-274	.625	1.250	.406	A	2.500	.943	Carbon	Buna	Long Spring
MS-10693	.625	1.250	.406	J	1.875	.970	Carbon	Buna	
MS-508V	.625	1.250	.406	A	2.050	1.150	Carbon	Viton	Hobart Dishwasher
PS-3981	.625	1.437	.312	J	1.970	.875	Carbon	Buna	Sterling

PUMP SEALS



TYPE 21



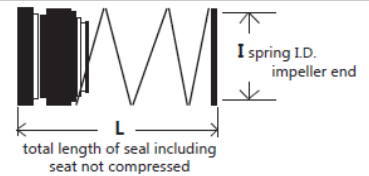
				
Type A	Type B	Type C	Type J	Type X
Ceramic CUP	Niresist CUP	Ceramic O-Ring	Niresist O-Ring	Silicon Carbide CUP

PUMP TECH #	SHAFT SIZE	SEAT OD	SEAT THICK	SEAT TYPE	DIM. "L"	DIM. "I"	ROTARY MATERIAL	ELASTOMER	NOTES / REFERENCE / CROSS
MS-18MMSP	.709	1.375	.275	A	2.125	1.070	Carbon	Buna	18mm - Honda
MS-107104	.709	1.375	.406	A	2.375	1.070	Carbon	Buna	18mm
MS-107153	.750	1.250	.320	A	1.750	1.046	Carbon	Buna	Dental Pump
MS-437	.750	1.275	.290	A	2.250	1.078	Carbon	Buna	B&G
MS-437V	.750	1.275	.290	A	2.250	1.078	Carbon	Viton	
MS-877	.750	1.375	.406	A	1.625	1.050	Carbon	Buna	Short Working Length
MS-107118	.750	1.375	.406	B	1.625	1.050	Carbon	Buna	Short Working Length
MS-358	.750	1.375	.406	A	2.250	1.078	Carbon	Buna	
MS-358JC	.750	1.375	.406	A	2.460	1.005	Carbon	Buna	John Crane
MS-358V	.750	1.375	.406	A	2.250	1.078	Carbon	Viton	
MS-358VCX	.750	1.375	.406	X	2.250	1.078	Carbon	Viton	
MS-358E	.750	1.375	.406	A	2.250	1.078	Carbon	EPR	
MS-358VXX	.750	1.375	.406	X	2.250	1.078	Sil-Carbide	Viton	
MS-358EXX	.750	1.375	.406	X	2.250	1.078	Sil-Carbide	EPR	
MS-10767	.750	1.375	.406	B	2.250	1.078	Carbon	Buna	
MS-128	.750	1.375	.406	A	1.750	1.250	Carbon	Buna	Tapered Spring
MS-275	.750	1.375	.406	A	2.500	1.062	Carbon	Buna	Long Spring
MS-7277	.750	1.437	.406	A	2.250	1.078	Carbon	Buna	Myers 21181A17
MS-107810	.787	1.406	.406	A	2.375	1.160	Carbon	Buna	20mm
MS-107808	.787	1.500	.406	A	2.500	1.160	Carbon	Buna	20mm
MS-135	.787	1.500	.406	A	2.750	1.359	Carbon	Buna	20mm - Tapered Spring
MS-614	.787	1.500	.406	B	2.750	1.359	Carbon	Buna	20mm - Tapered Spring
MS-108604	.866	1.500	.406	A	2.625	1.160	Carbon	Buna	22mm
MS-10854	.875	1.437	.265	J	2.375	1.150	Carbon	Buna	Condensate Pumps
MS-10854V	.875	1.437	.265	J	2.375	1.150	Carbon	Viton	Condensate Pumps
MS-2224E	.875	1.437	.265	J	1.750	1.150	Carbon	EPR	Condensate Pumps
MS-790V	.875	1.437	.265	B	1.930	1.200	Carbon	Viton	Condensate Pumps
PS-3749	.875	1.500	.220	A	1.625	1.150	Carbon	Buna	Myers 21576A11
MS-309	.875	1.500	.406	A	2.500	1.156	Carbon	Buna	
MS-309JC	.875	1.500	.406	A	3.430	1.120	Carbon	Buna	John Crane
MS-309V	.875	1.500	.406	A	2.500	1.156	Carbon	Viton	
MS-309VXX	.875	1.500	.406	X	2.500	1.156	Sil-Carbide	Viton	
MS-10873	.875	1.500	.406	A	2.750	1.355	Carbon	Buna	Tapered Spring
MS-303	.875	1.500	.406	B	2.500	1.156	Carbon	Buna	
MS-303V	.875	1.500	.406	B	2.500	1.156	Carbon	Viton	
MS-294	.875	1.562	.406	B	2.500	1.156	Carbon	Buna	

PUMP SEALS



TYPE 21



Type A

Ceramic CUP



Type B

Niresist CUP



Type C

Ceramic O-Ring



Type J

Niresist O-Ring

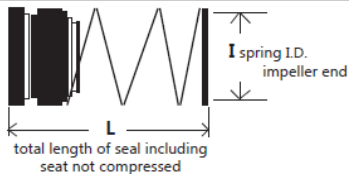


Type X

Silicon Carbide CUP

PUMP TECH #	SHAFT SIZE	SEAT OD	SEAT THICK	SEAT TYPE	DIM. "L"	DIM. "I"	ROTARY MATERIAL	ELASTOMER	NOTES / REFERENCE / CROSS
MS-560	.937	1.562	.406	B	2.750	1.184	Carbon	Buna	T-51 PAC Seal (JC Type 1)
MS-560BCJ	.937	1.562	.406	A	2.750	1.184	Carbon	Buna	T-51 PAC Seal (JC Type 1)
MS-109410	.945	1.594	.406	A	2.375	1.300	Carbon	Buna	24mm
MS-109804	.984	1.625	.437	A	2.125	1.300	Carbon	Buna	25mm
MS-109811	.984	1.625	.437	C	2.125	1.300	Carbon	Buna	25mm
MS-109810	.984	1.594	.406	A	2.250	1.300	Carbon	Buna	25mm
MS-109806	.984	1.720	.335	A	2.250	1.300	Carbon	Buna	25mm
MS-109805V	.984	1.732	.335	A	2.187	1.300	Carbon	Viton	25mm
MS-235	1.000	1.625	.437	A	2.250	1.295	Carbon	Buna	
MS-235JC	1.000	1.625	.437	A	2.050	1.325	Carbon	Buna	John Crane
MS-235V	1.000	1.625	.437	A	2.250	1.295	Carbon	Viton	
MS-235VXX	1.000	1.625	.437	X	2.250	1.295	Sil-Carbide	Viton	Hard Faces
MS-357	1.000	1.625	.437	B	2.250	1.295	Carbon	Buna	
MS-357V	1.000	1.625	.437	B	2.250	1.295	Carbon	Viton	
MS-548	1.000	1.625	.437	C	2.250	1.295	Carbon	Buna	
MS-499	1.000	1.625	.437	J	2.250	1.295	Carbon	Buna	
MS-499V	1.000	1.625	.437	J	2.250	1.295	Carbon	Viton	
MS-11014	1.000	1.625	.437	A	2.875	1.325	Carbon	Buna	Long Spring
MS-11014V	1.000	1.625	.437	A	2.875	1.325	Carbon	Viton	Long Spring
MS-248	1.000	1.625	.437	B	2.000	1.480	Carbon	Buna	Tapered Spring
MS-227	1.000	1.750	.437	B	2.250	1.295	Carbon	Buna	
MS-127	1.062	1.750	.437	B	2.500	1.290	Carbon	Buna	
MS-111004	1.103	1.750	.437	A	2.500	1.430	Carbon	Buna	28mm
MS-111010	1.103	1.876	.469	A	2.625	1.430	Carbon	Buna	28mm
MS-356	1.125	1.750	.437	A	2.750	1.430	Carbon	Buna	
MS-356JC	1.125	1.750	.437	A	2.220	1.465	Carbon	Buna	John Crane
MS-356V	1.125	1.750	.437	A	2.750	1.430	Carbon	Viton	
MS-356E	1.125	1.750	.437	A	2.750	1.430	Carbon	EPR	
MS-356VCX	1.125	1.750	.437	X	2.750	1.430	Carbon	Viton	
MS-356EP66X	1.125	1.750	.437	X	2.220	1.450	Carbon	EPR	Upgraded Carbon - TACO
MS-356VXX	1.125	1.750	.437	X	2.750	1.430	Sil-Carbide	Viton	Hard Faces
MS-204-21	1.125	1.750	.437	A	3.375	1.430	Carbon	Buna	Long Spring
MS-355	1.125	1.750	.437	B	2.750	1.430	Carbon	Buna	
MS-355V	1.125	1.750	.437	B	2.750	1.430	Carbon	Viton	
MS-529	1.125	1.750	.437	J	2.750	1.430	Carbon	Buna	

PUMP SEALS



TYPE 21



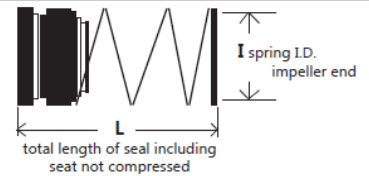
				
Type A	Type B	Type C	Type J	Type X
Ceramic CUP	Niresist CUP	Ceramic O-Ring	Niresist O-Ring	Silicon Carbide CUP

PUMP TECH #	SHAFT SIZE	SEAT OD	SEAT THICK	SEAT TYPE	DIM. "L"	DIM. "I"	ROTARY MATERIAL	ELASTOMER	NOTES / REFERENCE / CROSS
MS-136	1.181	1.875	.437	A	3.000	1.787	Carbon	Buna	30mm
MS-111830	1.181	1.875	.437	B	3.000	1.787	Carbon	Buna	30mm - Tapered Spring
MS-111831	1.181	1.937	.437	A	2.750	1.560	Carbon	Buna	30mm
MS-111809	1.181	1.969	.437	A	1.750	1.540	Carbon	Buna	30mm
MS-111850	1.181	2.000	.469	A	2.625	1.560	Carbon	Buna	30mm
MS-402	1.250	1.768	.367	A	2.875	1.781	Carbon	Buna	186862 / 825458-001 - Tapered
MS-402JC	1.250	1.768	.367	A	3.070	1.840	Carbon	Buna	John Crane - Tapered Spring
MS-402V	1.250	1.768	.367	A	2.875	1.781	Carbon	Viton	Tapered Spring
MS-977	1.250	1.768	.367	B	2.875	1.781	Carbon	Buna	Tapered Spring
MS-402ECX	1.250	1.768	.367	X	2.875	1.781	Carbon	EPR	Glycol <30%
MS-402VXX	1.250	1.768	.367	X	2.875	1.781	Sil-Carbide	Viton	Hard Faces
MS-185	1.250	1.875	.437	A	2.875	1.575	Carbon	Buna	
MS-185JC	1.250	1.875	.437	A	2.280	1.575	Carbon	Buna	John Crane
MS-185V	1.250	1.875	.437	A	2.875	1.575	Carbon	Viton	
MS-185E	1.250	1.875	.437	A	2.875	1.575	Carbon	EPR	
MS-185VCX	1.250	1.875	.437	X	2.875	1.575	Carbon	Viton	
MS-185VXX	1.250	1.875	.437	X	2.875	1.575	Sil-Carbide	Viton	
MS-185VXZ	1.250	1.875	.437	TC	2.875	1.575	Sil-Carbide	Viton	Tungsten Carbide Cup Seat
MS-756	1.250	1.875	.437	B	2.875	1.575	Carbon	Buna	
MS-756JC	1.250	1.875	.437	B	2.280	1.575	Carbon	Buna	John Crane
MS-756V	1.250	1.875	.437	B	2.875	1.575	Carbon	Viton	
MS-256	1.250	1.875	.437	J	2.875	1.575	Carbon	Buna	
MS-256V	1.250	1.875	.437	J	2.875	1.575	Carbon	Viton	
MS-11213	1.250	1.875	.437	A	3.625	1.575	Carbon	Buna	Long Spring
MS-137-21	1.250	1.875	.437	B	3.625	1.575	Carbon	Buna	Ling Spring
MS-246	1.250	1.875	.437	A	3.000	1.793	Carbon	Buna	Tapered Spring
MS-249	1.250	1.875	.437	B	3.000	1.793	Carbon	Buna	Tapered Spring
MS-426VCJXZ	1.250	1.875	.437	A/X	4.060	N/A	Car/SiC	Viton	Double Type 21 - Barnes
MS-466	1.250	2.000	.437	A	2.875	1.575	Carbon	Buna	
MS-112610	1.260	2.000	.469	A	3.500	1.560	Carbon	Buna	32mm
MS-177	1.375	2.000	.437	A	3.000	1.710	Carbon	Buna	
MS-177JC	1.375	2.000	.437	A	2.165	1.710	Carbon	Buna	John Crane
MS-177V	1.375	2.000	.437	A	3.000	1.710	Carbon	Viton	
MS-177VXX	1.375	2.000	.437	X	3.000	1.710	Sil-Carbide	Viton	Hard Faces
MS-186	1.375	2.000	.437	B	3.000	1.710	Carbon	Buna	
MS-186V	1.375	2.000	.437	B	3.000	1.710	Carbon	Viton	
MS-291	1.375	2.125	.437	A	3.000	1.710	Carbon	Buna	

PUMP SEALS



TYPE 21



Type A

Ceramic CUP



Type B

Niresist CUP



Type C

Ceramic O-Ring



Type J

Niresist O-Ring



Type X

Silicon Carbide CUP

PUMP TECH #	SHAFT SIZE	SEAT OD	SEAT THICK	SEAT TYPE	DIM. "L"	DIM. "I"	ROTARY MATERIAL	ELASTOMER	NOTES / REFERENCE / CROSS
MS-705-21	1.437	2.062	.437	J	3.875	1.800	Carbon	Buna	Viking
MS-382	1.500	2.125	.437	A	2.875	1.810	Carbon	Buna	
MS-382TAP	1.500	2.125	.437	A	3.130	2.065	Carbon	Buna	Tapered Spring
MS-382JC	1.500	2.125	.437	A	3.130	1.850	Carbon	Buna	John Crane
MS-382V	1.500	2.125	.437	A	2.875	1.810	Carbon	Viton	
MS-382VXX	1.500	2.125	.437	X	2.875	1.810	Sil-Carbide	Viton	Hard Faces
MS-305-21	1.500	2.125	.437	A	3.750	1.810	Carbon	Buna	Long Spring
MS-371	1.500	2.125	.437	B	2.875	1.810	Carbon	Buna	
MS-371V	1.500	2.125	.437	B	2.875	1.810	Carbon	Viton	
MS-816	1.500	2.125	.437	C	2.875	1.810	Carbon	Buna	
MS-259	1.500	2.125	.437	J	2.875	1.810	Carbon	Buna	
MS-238	1.625	2.375	.500	A	3.375	2.060	Carbon	Buna	
MS-238JC	1.625	2.375	.500	A	2.400	2.050	Carbon	Buna	John Crane
MS-514	1.625	2.375	.500	A	2.720	2.300	Carbon	Buna	Tapered Spring
MS-239	1.625	2.375	.500	B	3.375	2.060	Carbon	Buna	
MS-544	1.625	2.375	.500	J	3.375	2.060	Carbon	Buna	
MS-11623	1.625	2.625	.500	J	3.375	2.060	Carbon	Buna	B&G - Allis Chalmers
MS-237	1.750	2.500	.500	A	3.375	2.060	Carbon	Buna	
MS-237JC	1.750	2.500	.500	A	3.550	2.155	Carbon	Buna	John Crane
MS-237V	1.750	2.500	.500	A	3.375	2.060	Carbon	Viton	
MS-237VXX	1.750	2.500	.500	X	3.375	2.060	Sil-Carbide	Viton	Hard Faces
MS-448	1.750	2.500	.500	B	3.375	2.060	Carbon	Buna	
MS-436	1.750	2.500	.500	J	3.375	2.060	Carbon	Buna	
MS-11708	1.750	2.500	.500	A	3.750	2.060	Carbon	Buna	Long Spring
MS-11708V	1.750	2.500	.500	A	3.750	2.060	Carbon	Viton	Long Spring
MS-11708VXX	1.750	2.500	.500	X	3.750	2.060	Sil-Carbide	Viton	Long Spring - Hard Faces
MS-340	1.875	2.625	.500	A	3.750	2.220	Carbon	Buna	
MS-340JC	1.875	2.625	.500	A	2.965	2.300	Carbon	Buna	John Crane
MS-340V	1.875	2.625	.500	A	3.750	2.220	Carbon	Viton	
MS-340VXX	1.875	2.625	.500	X	3.750	2.220	Sil-Carbide	Viton	Hard Faces
MS-267	2.000	2.750	.500	A	3.875	2.356	Carbon	Buna	
MS-267JC	2.000	2.750	.500	A	3.385	2.400	Carbon	Buna	John Crane
MS-338	2.125	3.000	.562	C	3.875	2.600	Carbon	Buna	
MS-338VXX	2.125	3.000	.562	C	3.875	2.600	Sil-Carbide	Viton	Hard Faces
MS-874	2.250	3.125	.562	A	3.750	2.600	Carbon	Buna	
MS-874V	2.250	3.125	.562	A	3.750	2.600	Carbon	Viton	
MS-874VXX	2.250	3.125	.562	X	3.750	2.600	Sil-Carbide	Viton	Hard Faces
MS-269	2.500	3.375	.562	C	4.500	3.050	Carbon	Buna	
MS-269JC	2.500	3.375	.562	C	4.050	2.980	Carbon	Buna	John Crane

PUMP SEALS

TYPE 1



Type 1 Seal

Recognized by the seal head sitting on top of the spring.

Three part rotary head with retainer, notched drive band and internal disk supporting an extended rubber bellows.

Allows for pressures up to 450 psi.

Not interchangeable with Type 2 or Type 21 seals.

PUMP TECH #	SHAFT SIZE	SEAT OD	SEAT THICK	SPRING ID	ROTARY MATERIAL	SEAT MATERIAL	ELASTOMER
MS-235-1	1.000	1.625	.437	1.270	Carbon	Ceramic CUP	Buna
MS-204-1	1.125	1.750	.437	1.370	Carbon	Ceramic CUP	Buna
MS-204E-1	1.125	1.750	.437	1.370	Carbon	Ceramic CUP	EPR
MS-867E	1.125	1.750	.437	1.370	Carbon	Niresist ORING	EPR
MS-361-1	1.250	1.875	.437	1.500	Carbon	Ceramic CUP	Buna
MS-305-1	1.500	2.125	.437	1.760	Carbon	Ceramic CUP	Buna
MS-745-1	1.625	2.375	.500	1.890	Carbon	Ceramic CUP	Buna
MS-205-1	1.750	2.500	.500	2.010	Carbon	Ceramic CUP	Buna

TYPE 2

Type 2 Seal

Recognized by the seal head sitting down, inside of the of the spring.

Three part rotary head with retainer, notched drive band and internal disk supporting an extended rubber bellows.

Allows for pressures up to 450 psi.

Interchangeable with Type 21 dimensions but for heavier duty application.



PUMP TECH #	SHAFT SIZE	SEAT OD	SEAT THICK	SPRING ID	ROTARY MATERIAL	SEAT MATERIAL	ELASTOMER
MS-358ECX-2	0.750	1.375	0.406	1.280	Carbon	Silicon-Carbide (SiC)	EPR
PS-976EP66X	1.250	1.765	0.365	1.760	Carbon	Silicon-Carbide (SiC)	EPR
975000-982	1.250	1.875	0.437	1.760	Carbon	Silicon-Carbide (SiC)	EPR
MS-185-2VXX	1.250	1.875	0.437	1.760	Silicon-Carbide (SiC)	Silicon-Carbide (SiC)	Viton
MS-185-2EXX	1.250	1.875	0.437	1.760	Silicon-Carbide (SiC)	Silicon-Carbide (SiC)	EPR
975000-984	1.625	2.375	0.500	2.275	Carbon	Silicon-Carbide (SiC)	EPR
MS-238-2VXX	1.625	2.375	0.500	2.275	Silicon-Carbide (SiC)	Silicon-Carbide (SiC)	Viton
MS-238-2EXX	1.625	2.375	0.500	2.275	Silicon-Carbide (SiC)	Silicon-Carbide (SiC)	EPR
MS-338-2ECX	2.125	3.000	0.562	2.800	Carbon	Silicon-Carbide (SiC)	EPR

ALL Type 1 and Type 2 seals come standard with upgraded carbon compared to Type 21 seals.

Often noted as carbon grade P66 or F55.

This carbon has higher heat and abrasion resistance.

PUMP SEALS

TYPE 8B2 / AB2 - TYPE RO

Type 8B2 / AB2 - Outside Seals for Armstrong 4300 Series

8B2 and AB2 seals are identical. 8B2 is a John Crane reference while AB2 is an Armstrong reference.

These seals are hydro-dynamically balanced with a multi-spring design and operate as an OUTSIDE SEAL that can be changed without dismantling the pump casing. Seats are clamp-in style with 2 GASKETS INCLUDED.



PUMP TECH #	SHAFT SIZE	ROTARY MATERIAL	SEAT MATERIAL	ELASTOMER	REFERENCE
MS-1125-8B2	1.125	Carbon	Ceramic	Viton	975000-955 / M34708
MS-1625-8B2	1.250	Carbon	Ceramic	Viton	975000-956 / M34709
MS-2125-8B2	1.250	Carbon	Ceramic	Viton	975000-957 / M34710

**NOTE - Materials

Aflas is an elastomer that has exceptional temperature limits as well as chemical resistance. Aflas is typically used for boiler-feed or steam applications above 400-450F. Antimony carbon is for high heat applications to help avoid blistering and provide greater self-lubrication.

****ANTIMONY CARBON CAN NOT BE USED IN POTABLE WATER**



PUMP TECH #	SHAFT SIZE	ROTARY MATERIAL	SEAT MATERIAL	ELASTOMER	REFERENCE
MS-1125AB2	1.125	Carbon	Silicon-Carbide (SiC)	Viton	975002-304 / A-1-1/8AB2
MS-1125AB2-ESC	1.125	Silicon-Carbide (SiC)	Silicon-Carbide (SiC)	EPR	975002-304
975002-304VG	1.125	Antimony Carbon	Silicon-Carbide (SiC)	Aflas	975002-304
MS-75202	1.250	Antimony Carbon	Silicon-Carbide (SiC)	Viton	B&G P75202
MS-75202EXX	1.250	Silicon-Carbide (SiC)	Silicon-Carbide (SiC)	EPR	B&G P75202
MS-1625AB2	1.625	Carbon	Silicon-Carbide (SiC)	Viton	975002-334 / A-1-5/8AB2
MS-1625AB2-ESC	1.625	Silicon-Carbide (SiC)	Silicon-Carbide (SiC)	EPR	975002-334
975002-334VG	1.625	Antimony Carbon	Silicon-Carbide (SiC)	Aflas	975002-334
MS-2125AB2	2.125	Carbon	Silicon-Carbide (SiC)	Viton	975002-374 / A-2-1/8AB2
975002-374VG	2.125	Antimony Carbon	Silicon-Carbide (SiC)	Aflas	975002-374

Type RO Seals

RO seals are multi-spring, balanced seals with no external retainer.

Designed by Flowserve, these seals are known for their opposite application of materials with hard faces on the rotary and carbon on the stationary seat.

USED in Bell & Gossett models 80-S, 1510-S, 1531-S, VSC-S, VSCS-S



PUMP TECH #	SHAFT SIZE	ROTARY MATERIAL	SEAT MATERIAL	ELASTOMER	REFERENCE
MS-85070	1.250	Tungsten	Carbon - ORING	Aflas	P85070
MS-185050	1.625	Tungsten	Carbon - ORING	Aflas	185050

CARBON BUSHINGS



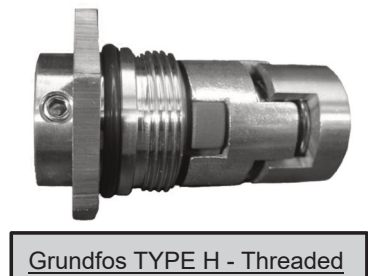
PUMP TECH #	ROTARY MATERIAL	REFERENCE
BUSH-1125	1.125 x 1.875 x .625 Thick	Armstrong 4300
BUSH-1625	1.625 x 2.375 x .625 Thick	Armstrong 4300
BUSH-2125	2.125 x 2.875 x .625 Thick	Armstrong 4300
P71378	1.250 x 2.125 x .750 Thick	B & G

PUMP SEALS - Grundfos

PUMP TECH #	SHAFT SIZE MM	SEAT SIZE MM	MATERIALS	GRUNDFOS REF	SEAL TYPE
Pump Models - CR, CRN, CRI, (S) in Sizes - 2, 4, 8 - Models TP, TPD & TPE					
MS-1300G	12	23 x 9	EPR / SC / SC	405096	Type B
MS-1301G	12	23 x 9	VIT / SC / SC	405347	Type B
MS-1302G	12	23 x 9	VIT / TC / TC	405347TC	Type B
Pump Models - CR, CRN, CRI, (S) in Sizes - 8, 16 - Models TP, TPD & TPE					
MS-1303G	16	27 x 10	EPR / SC / SC	425763	Type B
MS-1304G	16	27 x 10	VIT / SC / SC	425762	Type B
MS-1305G	16	27 x 10	VIT / TC / TC	425762TC	Type B
Pump Models - LM & LP					
MS-1322G	22	37 x 7.5	EPR / CARBON / SC	91580331	Type X
Pump Models - SPK					
MS-1516G	12	23 x 8	VIT / SC / CARBON	3950008	Type C

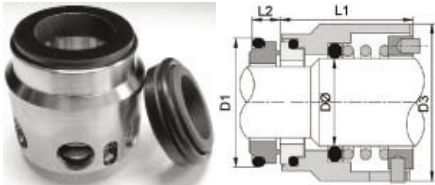


PUMP TECH #	SHAFT SIZE MM	MATERIALS	GRUNDFOS REF	SEAL TYPE
Pump Models - CR, CRN, CRNE, CRI in Sizes 1, 3, 5, 8				
MS-1500G	12	EPR / CARBON / TC	96455082	Type H
MS-1501G	12	EPR / TC / TC	96455084	Type H
MS-1502G	12	VIT / CARBON / TC	96455083	Type H
MS-1503G	12	VIT / SC / SC	96455087	Type H
MS-1504G	12	VIT / TC / TC	96455085	Type H
MS-1518G	12	EPR / SC / SC	96455086	Type H
Pump Models - CR, CRN, CRNE, CRI in Sizes 10, 15, 20				
MS-1505G	16	EPR / CARBON / TC	96511836	Type H
MS-1506G	16	EPR / TC / TC	96511840	Type H
MS-1507G	16	VIT / CARBON / TC	96511837	Type H
MS-1508G	16	VIT / SC / SC	96511845	Type H
MS-1509G	16	VIT / TC / TC	96511841	Type H
MS-1519G	16	EPR / SC / SC	96511844	Type H
Pump Models - CR, CRN in Sizes 32, 45, 64, 90				
MS-1510G	22	EPR / CARBON / TC	96416584	Type E
MS-1511G	22	EPR / TC / TC	96433365	Type E
MS-1512G	22	VIT / CARBON / TC	96525459	Type E
MS-1513G	22	VIT / SC / SC	96525490	Type E
MS-1514G	22	VIT / TC / TC	96436728	Type E
MS-1520G	22	EPR / SC / SC	96525458 / 96494664	Type E

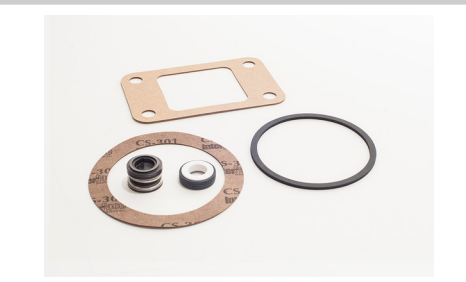
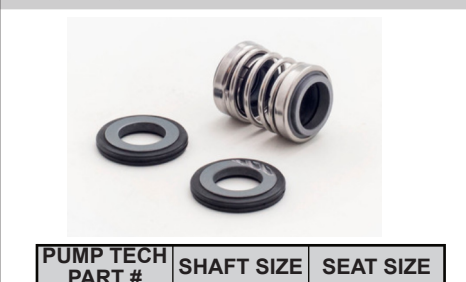
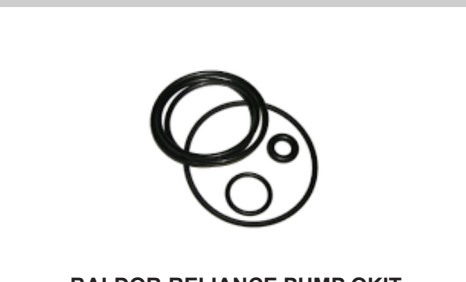


MS-415080	MS-985847
12mm Grundfos Type A Seat - 23mm x 8.5 mm Viton/Tungsten-Carbide/Tungsten Carbide	16mm Grundfos Type R Seat - 27mm x 14 mm Viton/Tungsten-Carbide/Tungsten Carbide

PUMP SEALS - OEM Specific

MS-5000  16mm Armstrong # 190120-001 Used in VMS 10 Pump Viton/Sil-Carbide/Carbon - Seat 27mm x 10mm	MS-5001  20mm Johnson Pumps (UK) Viton/Carbon/Sil-Carbide - Total Length - 41mm Cup Seat 35mm x 7.5mm	MS-5002  .500" Armstrong # 190120-000 Used in VMS 03, 05 Pumps Viton/Carbon/Sil-Carbide - Seat 23mm x 9mm																
MS-5003  20mm Armstrong # 190120-002 Used in VMS 18 Pump Viton/Sil-Carbide/Carbon - Seat 35mm x 9.5mm	MS-5004  17mm WILO Seal Viton/Sil-Carbide/Sil-Carbide Cup Seat 33mm x 7.5mm	MS-5005  28mm Armstrong # 190120-003 Used in VMS 32, 45, 64 Pumps Viton/Carbon/Sil-Carbide - Seat 43mm x 13mm																
MS-5006  14mm WILO Seal Seat - 25mm x 6.6mm Viton/Silicon-Carbide/Carbon	PS-3004  .500" TACO Type 2100 Seat - 1.000" x .312" EPR/Carbon/Silicon-Carbide	MS-33MMKSB  33mm KSB Seal Cup Seat - 48mm x 7.5mm Viton/Silicon-Carbide/Silicon Carbide																
VGM-2920  20mm Speck Pump Seal #2920343310 Seat - 35mm x 7.6mm Buna/Carbon/Silicon-Carbide	VGM-2921  20mm Tsurumi/Hanjin Double Seal Ceramic Seat - 23mm x 8mm Silicon-Carbide Seat - 44mm x 8.5mm	VGM-2979V  15mm EBARA Double Seal - Viton Seats - 30mm x 5mm Carbon - Ceramic / SiC - SiC																
GOULDS SV PUMP SEALS  <table><tr><th>PUMP TECH PART #</th><th>SHAFT</th><th>PUMP</th><th>SEAT SIZE</th></tr><tr><td>MS-12VXXGOU</td><td>12mm</td><td>1VS, 2SV</td><td>23 x 6.6</td></tr><tr><td>MS-16VXXGOU</td><td>16mm</td><td>3VS, 4SV</td><td>27 x 7.6</td></tr><tr><td>MS-25VXXGOU</td><td>25mm</td><td>5VS, 6SV</td><td>40 x 7.6</td></tr></table>	PUMP TECH PART #	SHAFT	PUMP	SEAT SIZE	MS-12VXXGOU	12mm	1VS, 2SV	23 x 6.6	MS-16VXXGOU	16mm	3VS, 4SV	27 x 7.6	MS-25VXXGOU	25mm	5VS, 6SV	40 x 7.6	VG-9660 & VG-9661  VG-9660 = Goulds 10K169 - .625" VITON VG-9661 = Goulds 10K171 - .625" EPR O-RING Seat - 1.062" OD - Carbon / SC	MS-10K199  Goulds #10K199 26mm Balanced Seal Models SSV / e-SV 33SV-125SV Viton / Carbon / Silicon-Carbide
PUMP TECH PART #	SHAFT	PUMP	SEAT SIZE															
MS-12VXXGOU	12mm	1VS, 2SV	23 x 6.6															
MS-16VXXGOU	16mm	3VS, 4SV	27 x 7.6															
MS-25VXXGOU	25mm	5VS, 6SV	40 x 7.6															

PUMP SEALS - OEM Specific

VGK-1124BCJ  1-1/8" AURORA REBUILD KIT OEM REF# 476-0250-644 1.125" Seal T21 Seal - BUNA/CARBON/CERAMIC Bronze Sleeve - 1.000" x 1.125" x 2.310" Assorted Gaskets, ORING, Washer, Screw, Key	VGK-1125BCJ  1-1/2" AURORA REBUILD KIT OEM REF# 476-0253-644 1.500" Seal T21 Seal - BUNA/CARBON/CERAMIC Bronze Sleeve - 1.375" x 1.500" x 2.400" Assorted Gaskets, ORING, Washer, Screw, Key	KIT-HOFF-180014  5/8" HOFFMAN REPAIR KIT OEM REF# 180014 .625" Seal T21 Seal - VITON/CARBON/CERAMIC Assorted Gaskets																											
KIT-HOFF-180013  5/8" HOFFMAN REPAIR KIT OEM REF# 180013 .625" Seal T21 Seal - VITON/CARBON/CERAMIC 2 Gaskets, 1 Oring	KIT-SCOT-344  1-1/2" SCOT REPAIR KIT OEM REF# 118.000.344 1.500" Seal T21 Seal - BUNA/CARBON/CERAMIC Bronze Sleeve - 1.000" x 1.500" x 2.375" Gasket, ORING, Washers, Screw, Imp Key, Loctite	KIT-SCOT-383  1-1/2" SCOT REPAIR KIT OEM REF# 118.000.383 1.500" Seal T21 Seal - BUNA/CARBON/CERAMIC Bronze Sleeve - 1.000" x 1.500" x 2.125" Gasket, ORING, Washers, Screw, Imp Key, Loctite																											
KIT-BG-E90-625  5/8" BELL & GOSSETT e90 REPAIR KIT OEM REF# 54049 .625" Unized Long - EPR/CARBON/SIL-CARBIDE Gaskets, Loctite, Lube ** Seal in this kit is MS-4220ECX —>	B&G .625 e90 SEAL  <table border="1"> <thead> <tr> <th>PUMP TECH PART #</th><th>MATERIALS</th><th>SEAT SIZE</th></tr> </thead> <tbody> <tr> <td>MS-3204</td><td>Buna/Car/Cer</td><td>1.250 x .406</td></tr> <tr> <td>MS-4220</td><td>Viton/Car/Cer</td><td>1.250 x .406</td></tr> <tr> <td>MS-4220ECX</td><td>EPR/Car/SiC</td><td>1.250 x .406</td></tr> </tbody> </table>	PUMP TECH PART #	MATERIALS	SEAT SIZE	MS-3204	Buna/Car/Cer	1.250 x .406	MS-4220	Viton/Car/Cer	1.250 x .406	MS-4220ECX	EPR/Car/SiC	1.250 x .406	AQUASCAPE / TSURUMI  <table border="1"> <thead> <tr> <th>PUMP TECH PART #</th><th>SHAFT SIZE</th><th>SEAT SIZE</th></tr> </thead> <tbody> <tr> <td>MS-12X25AQU</td><td>12mm</td><td>25 x 5</td></tr> <tr> <td>MS-12MMAQU</td><td>12mm</td><td>26 x 5</td></tr> <tr> <td>MS-14MMAQU</td><td>12mm</td><td>28 x 5</td></tr> <tr> <td>MS-14X30AQU</td><td>12mm</td><td>30 x 5</td></tr> </tbody> </table> -VCX / VXX-	PUMP TECH PART #	SHAFT SIZE	SEAT SIZE	MS-12X25AQU	12mm	25 x 5	MS-12MMAQU	12mm	26 x 5	MS-14MMAQU	12mm	28 x 5	MS-14X30AQU	12mm	30 x 5
PUMP TECH PART #	MATERIALS	SEAT SIZE																											
MS-3204	Buna/Car/Cer	1.250 x .406																											
MS-4220	Viton/Car/Cer	1.250 x .406																											
MS-4220ECX	EPR/Car/SiC	1.250 x .406																											
PUMP TECH PART #	SHAFT SIZE	SEAT SIZE																											
MS-12X25AQU	12mm	25 x 5																											
MS-12MMAQU	12mm	26 x 5																											
MS-14MMAQU	12mm	28 x 5																											
MS-14X30AQU	12mm	30 x 5																											
OKIT-180TY / OKIT-210TY  BALDOR-RELIANCE PUMP OKIT 180TY Frame 210TY Frame Viton	KIT-PACO-K105  1-1/4" PACO REPAIR KIT OEM REF# K105-1, 91909832 1.250" Seal T21 Seal - BUNA/CARBON/CERAMIC Assorted Gaskets, ORINGS, Impeller Bolt, Impeller Key, Washer, Loctite	KIT-SKID-54049  5/8" SKIDMORE REPAIR KIT OEM REF# 54049 .625" Seal T21 Seal - EPR/CARBON/CERAMIC Gaskets, Shaft Slinger, Lube																											

PUMP SEALS - Metric

TYPE AR



- Similar to Burgmann AR seals
- Buna/Carbon/Ceramic
- Bi-Directional
- All dimensions in MM

PUMP TECH #	SHAFT SIZE	SEAT OD	SEAT THICK	ROTARY OD	INSTALLED LENGTH
MS-3251AR	8	22	4	20	15
MS-3252AR	8	26	4	24	15
MS-8020AR	9	26	8	24	19
MS-3254AR	10	26	8	24	21
MS-3255AR	11	26	8	24	21
VGM-8066	12	26	5.5	24	18.5
MS-3256AR **	12	26	8	24	21
MS-3258AR **	13	26	8	24	19.5
MS-8068AR	14	25	8	28	21
MS-3292AR	14	28.5	8	28	21
MS-3259AR	14	29.5	8	32	21
MS-3293AR	15	28.5	8	28	21
MS-3260AR	15	29.5	8	32	21
MS-3296AR	15	38	8	39	21
MS-3261AR	16	29.5	8	32	21
MS-3262AR	16	38	8	39	21
MS-8076AR	16	42	8	39	21
MS-3263AR	17	42	8	39	21
MS-3264AR	18	42	8	39	21
MS-3265AR	19	42	8	39	21
MS-3266AR	20	42	8	39	21
MS-3267AR	20	45	10	42	23
MS-3268AR	22	45	10	42	23
MS-8079AR	23	50	10	47	23.5
MS-3270AR	24	50	10	47	23.5
MS-3271AR	25	50	10	42	23.5
MS-3272AR	25	50	10	47	23.5
MS-3273AR	26	50	10	47	23.5
MS-3275AR	28	57	10	54	25
MS-3276AR	30	57	10	54	25
MS-3277AR	32	57	10	54	25
MS-3278AR	35	63	10	60	26
MS-3279AR	38	68	12	65	30
MS-3280AR	40	68	12	65	30
MS-3281AR	45	73	12	70	32
MS-3282AR	50	88	15	85	38
MS-3283AR	55	88	15	85	38
MS-3284AR	60	110	15	105	45
MS-8098AR	65	110	15	105	47
MS-8087AR	70	110	15	105	47

** - Stocked in VITON as well - Add a 'V' to end of the part #.

PUMP SEALS - Metric

TYPE FN

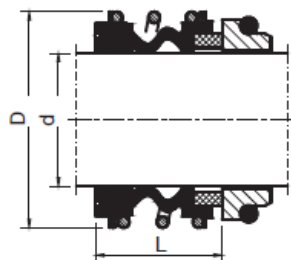


- Similar to Burgmann FN seals (older European FN metric standard prior to DIN)
- Buna/Ceramic/Carbon
- Uni-Directional - Spring Driven
- "D" items are DIN standard

PUMP TECH #	SHAFT SIZE	SEAT OD	SEAT THICK	ROTARY OD	INSTALLED LENGTH
VGM-8000	10	18.1	5.5	20	20.5
VGM-8000D	10	21	7	20	22
VGM-8001	11	20.6	5.5	22	23.5
VGM-8002	12	20.6	5.5	22	23.5
VGM-8002D	12	23	7	22	25
VGM-8003	13	23.1	6	25	28
VGM-8004	14	23.1	6	25	28
VGM-8004D	14	25	7	25	29
VGM-8005	15	26.9	7	29	29
VGM-8006	16	26.9	7	29	30
VGM-8006D	16	27	7	29	30
VGM-8007	17	26.9	7	29	30
VGM-3232 **	17	26.9	7	29	7
VGM-8008	18	30.9	8	33	32
VGM-8008D	18	33	10	33	34
VGM-8009	19	30.9	8	33	33
VGM-8010	20	30.9	8	33	33
VGM-8010D	20	35	10	33	35
VGM-8011	22	35.4	8	38	33
VGM-8011D	22	37	10	38	35
VGM-8012	24	35.4	8	38	35
VGM-8012D	24	39	10	38	37
VGM-8013	25	38.2	8.5	40	35.5
VGM-8013D	25	40	10	40	37
VGM-8014	28	43.3	9	46	38
VGM-8014D	28	43	10	46	39
VGM-8015	30	43.3	9	46	39
VGM-8015D	30	45	10	46	40
VGM-8016	32	43.3	9	46	39
VGM-8016D	32	48	10	46	40
VGM-8099	33	53.5	11.5	48	50.5
VGM-8099D	33	48	10	48	49
VGM-8017	35	53.5	11.5	50	50.5
VGM-8017D	35	50	10	50	49
VGM-8018	38	60.5	11.5	55	50.5
VGM-8018D	38	56	13	55	52
VGM-8019	40	60.5	11.5	55	50.5
VGM-8019D	40	58	13	55	52
** VITON					

PUMP SEALS - Metric

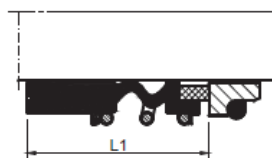
TYPE MG1 / MG12



Type VGMC-1

Features

To DIN 24960 (VGMC-12)
Single Seal - Unbalanced
Bi-Directional
Elastomer Bellows



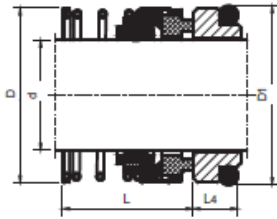
Type VGMC-12

SEAL SIZE "d"	SEAL OD	VGMC-1 (MG-1)			VGMC-12 (MG-12)		
		OPER. HEIGHT "L"	BUNA/CARBON PART #	VITON / SC PART #	OPER. HEIGHT "L"	BUNA/CARBON PART #	VITON / SC PART #
10	22.5	14.5	HD-8090M	HD-8125M	25.9	HD-8154M	HD-8189M
12	25	15	HD-8091M	HD-8126M	25.9	HD-8155M	HD-8190M
14	28.5	17	HD-8092M	HD-8127M	28.4	HD-8156M	HD-8191M
15	28.5	17	HD-8093M	HD-8128M	28.4	HD-8157M	HD-8192M
16	28.5	17	HD-8094M	HD-8129M	28.4	HD-8158M	HD-8193M
18	32	19.5	HD-8095M	HD-8130M	30	HD-8159M	HD-8194M
20	37	21.5	HD-8096M	HD-8131M	30	HD-8160M	HD-8195M
22	37	21.5	HD-8097M	HD-8132M	30	HD-8161M	HD-8196M
24	42.5	22.5	HD-8098M	HD-8133M	32.5	HD-8162M	HD-8197M
25	42.5	23	HD-8099M	HD-8038M	32.5	HD-8163M	HD-8198M
28	49	26.5	HD-8100M	HD-8046M	35	HD-8164M	HD-8199M
30	49	26.5	HD-8101M	HD-8134M	35	HD-8165M	HD-8200M
32	53.5	27.5	HD-8102M	HD-8135M	35	HD-8166M	HD-8201M
33	53.5	27.5	HD-8103M	HD-8136M	35	HD-8167M	HD-8202M
35	57	28.5	HD-8104M	HD-8137M	35	HD-8168M	HD-8203M
38	59	30	HD-8105M	HD-8138M	36	HD-8169M	HD-8204M
40	62	30	HD-8106M	HD-8139M	36	HD-8170M	HD-8205M
42	65.5	30	HD-8107M	HD-8140M	36	HD-8171M	HD-8206M
43	65.5	30	HD-8108M	HD-8141M	36	HD-8172M	HD-8207M
45	68	30	HD-8109M	HD-8047M	36	HD-8173M	HD-8208M
48	70.5	30.5	HD-8110M	HD-8142M	36	HD-8174M	HD-8209M
50	74	30.5	HD-8111M	HD-8048M	38	HD-8175M	HD-8210M
53	78.5	33	HD-8112M	HD-8143M	36.5	HD-8176M	HD-8211M
55	81	35	HD-8113M	HD-8144M	36.5	HD-8177M	HD-8212M
58	85.5	37	HD-8114M	HD-8145M	41.5	HD-8178M	HD-8213M
60	88.5	38	HD-8115M	HD-8146M	41.5	HD-8179M	HD-8214M
65	93.5	40	HD-8116M	HD-8147M	41.5	HD-8180M	HD-8215M
68	96.5	40	HD-8117M	HD-8148M	41.5	HD-8181M	HD-8216M
70	99.5	40	HD-8118M	HD-8049M	48.7	HD-8182M	HD-8217M
75	107	40	HD-8119M	HD-8050M	48.7	HD-8183M	HD-8218M
80	112	40	HD-8120M	HD-8149M	48	HD-8184M	HD-8219M
85	120	41	HD-8121M	HD-8150M	46	HD-8185M	HD-8220M
90	127	45	HD-8122M	HD-8151M	51	HD-8186M	HD-8221M
95	132	46	HD-8123M	HD-8152M	51	HD-8187M	HD-8222M
100	137	47	HD-8124M	HD-8153M	51	HD-8188M	HD-8223M

** Seats sold separately - See pages 20-21

PUMP SEALS - Mertic

TYPE 21



SEAL SIZE	SEAL OD	OPER. HEIGHT "L"
12	22.8	23.9
14	22.8	26.4
16	26.4	26.4
18	29.5	27.5
20	33.6	27.5
22	33.6	27.5
24	38	30
25	39.1	30
28	42.5	32.5
30	45.6	32.5
32	45.6	32.5
33	49	32.5
35	49	32.5
38	52	34
40	57.2	34
43	60.6	34
45	60.6	34
48	63.8	34
50	65.6	34.5
55	76.9	34.5
58	78.4	39.5
60	78.4	39.5
63	81.2	39.5
65	84.5	39.5
68	89.6	37.2
70	89.6	44.7
75	96.6	44.7

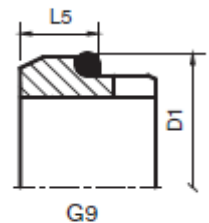
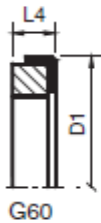
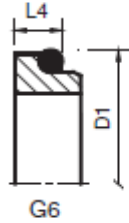
BUNA/CARBON PART #	VITON / SC PART #
HD-8273M	HD-8293M
HD-8274M	HD-8294M
HD-8275M	HD-8295M
HD-8276M	HD-8296M
HD-8039M	HD-8297M
HD-8277M	HD-8298M
HD-8040M	HD-8299M
HD-8041M	HD-8300M
HD-8278M	HD-8301M
HD-8042M	HD-8302M
HD-8279M	HD-8303M
HD-8280M	HD-8304M
HD-8281M	HD-8305M
HD-8282M	HD-8306M
HD-8283M	HD-8307M
HD-8043M	HD-8308M
HD-8284M	HD-8309M
HD-8285M	HD-8310M
HD-8286M	HD-8311M
HD-8044M	HD-8312M
HD-8287M	HD-8313M
HD-8045M	HD-8314M
HD-8288M	HD-8315M
HD-8289M	HD-8316M
HD-8290M	HD-8317M
HD-8291M	HD-8318M
HD-8292M	HD-8319M

- Metric shaft T21 in DIN standard length
- Metric T21 seals have many special lengths. Be sure to measure your operating height to ensure fit

** Seats sold separately - See pages 20-21

PUMP SEALS - Metric

METRIC SEATS



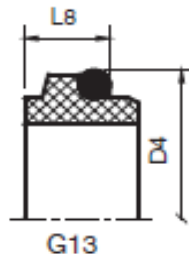
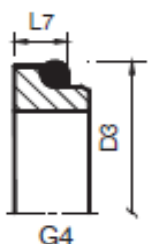
SEAL SIZE	SEAT DIMS		G6 - ORING	G60 - CUP
	BORE D	THICK L4	VITON / SC	VITON / SC
10	21	6.6	STG6VSC10	STG60VSC10
12	23	6.6	STG6VSC12	STG60VSC12
14	25	6.6	STG6VSC14	STG60VSC14
15	27	6.6	STG6VSC15	STG60VSC15
16	27	6.6	STG6VSC16	STG60VSC16
18	33	7.5	STG6VSC18	STG60VSC18
20	35	7.5	STG6VSC20	STG60VSC20
22	37	7.5	STG6VSC22	STG60VSC22
24	39	7.5	STG6VSC24	STG60VSC24
25	40	7.5	STG6VSC25	STG60VSC25
28	43	7.5	STG6VSC28	STG60VSC28
30	45	7.5	STG6VSC30	STG60VSC30
32	48	7.5	STG6VSC32	STG60VSC32
33	48	7.5	STG6VSC33	STG60VSC33
35	50	7.5	STG6VSC35	STG60VSC35
38	56	9	STG6VSC38	STG60VSC38
40	58	9	STG6VSC40	STG60VSC40
42	61	9	STG6VSC42	STG60VSC42
43	61	9	STG6VSC43	STG60VSC43
45	63	9	STG6VSC45	STG60VSC45
48	66	9	STG6VSC48	STG60VSC48
50	70	9.5	STG6VSC50	STG60VSC50
53	73	11	STG6VSC53	STG60VSC53
55	75	11	STG6VSC55	STG60VSC55
58	78	11	STG6VSC58	STG60VSC58
60	80	11	STG6VSC60	STG60VSC60
65	85	11	STG6VSC65	STG60VSC65
68	90	11.3	STG6VSC68	STG60VSC68
70	92	11.3	STG6VSC70	STG60VSC70
75	97	11.3	STG6VSC75	STG60VSC75
80	105	12	STG6VSC80	STG60VSC80
85	110	14	STG6VSC85	STG60VSC85
90	115	14	STG6VSC90	STG60VSC90
95	120	14	STG6VSC95	STG60VSC95
100	125	14	STG6VSC100	STG60VSC100

SEAL SIZE	SEAT DIMS		G9 - ORING w/extended tail and notch for drive pin	
	BORE D1	THICK L5	VITON / Carbon	VITON / SC
10	21	10	STG9VCA10	STG9VSC10
12	23	10	STG9VCA12	STG9VSC12
14	25	10	STG9VCA14	STG9VSC14
15	27	10	STG9VCA15	STG9VSC15
16	27	10	STG9VCA16	STG9VSC16
18	33	11.5	STG9VCA18	STG9VSC18
20	35	11.5	STG9VCA20	STG9VSC20
22	37	11.5	STG9VCA22	STG9VSC22
24	39	11.5	STG9VCA24	STG9VSC24
25	40	11.5	STG9VCA25	STG9VSC25
28	43	11.5	STG9VCA28	STG9VSC28
30	45	11.5	STG9VCA30	STG9VSC30
32	48	11.5	STG9VCA32	STG9VSC32
33	48	11.5	STG9VCA33	STG9VSC33
35	50	11.5	STG9VCA35	STG9VSC35
38	56	14	STG9VCA38	STG9VSC38
40	58	14	STG9VCA40	STG9VSC40
42	61	14	STG9VCA42	STG9VSC42
43	61	14	STG9VCA43	STG9VSC43
45	63	14	STG9VCA45	STG9VSC45
48	66	14	STG9VCA48	STG9VSC48
50	70	15	STG9VCA50	STG9VSC50
53	73	15	STG9VCA53	STG9VSC53
55	75	15	STG9VCA55	STG9VSC55
58	78	15	STG9VCA58	STG9VSC58
60	80	15	STG9VCA60	STG9VSC60
65	85	15	STG9VCA65	STG9VSC65
68	90	18	STG9VCA68	STG9VSC68
70	92	18	STG9VCA70	STG9VSC70
75	97	18	STG9VCA75	STG9VSC75
80	105	18.2	STG9VCA80	STG9VSC80
85	110	18.2	STG9VCA85	STG9VSC85
90	115	18.2	STG9VCA90	STG9VSC90
95	120	17.2	STG9VCA95	STG9VSC95
100	125	17.2	STG9VCA100	STG9VSC100

G6 and G60 seats are interchangeable

PUMP SEALS - Metric

METRIC SEATS



SEAL SIZE	SEAT DIMS		G4 - ORING
	BORE D3	THICK L7	VITON / SC
10	19.2	6.6	STG4VSC10
12	21.6	5.6	STG4VSC12
14	24.6	5.6	STG4VSC14
15	24.6	6.6	STG4VSC15
16	28	7.5	STG4VSC16
18	30	8	STG4VSC18
20	35	7.5	STG4VSC20
22	35	7.5	STG4VSC22
24	38	7.5	STG4VSC24
25	38	7.5	STG4VSC25
28	42	9	STG4VSC28
30	45	10.5	STG4VSC30
32	48	10.5	STG4VSC32
33	50	11	STG4VSC33
35	52	11	STG4VSC35
38	55	10.3	STG4VSC38
40	58	10.8	STG4VSC40
42	62	12	STG4VSC42
43	62	12	STG4VSC43
45	64	11.6	STG4VSC45
48	68.4	11.6	STG4VSC48
50	69.3	11.6	STG4VSC50
53	72.3	12.3	STG4VSC53
55	75.4	13.3	STG4VSC55
58	78.4	13.3	STG4VSC58
60	80.4	13.3	STG4VSC60
65	85.4	13	STG4VSC65
68	91.5	13.7	STG4VSC68
70	92	13	STG4VSC70
75	99	14	STG4VSC75
80	104	15	STG4VSC80
85	109	14.8	STG4VSC85
90	114	14.8	STG4VSC90
95	120.3	15.8	STG4VSC95
100	123.3	15.8	STG4VSC100

SEAT DIMS		G13 - ORING
BORE D4	THICK L8	VITON / Carbon
19.2	7.1	STG13VCA10
21.6	7.6	STG13VCA12
24.6	7.6	STG13VCA14
24.6	8.6	STG13VCA15
28	9	STG13VCA16
30	10	STG13VCA18
35	9.5	STG13VCA20
35	9.5	STG13VCA22
38	9.5	STG13VCA24
38	9.5	STG13VCA25
42	11	STG13VCA28
45	11	STG13VCA30
48	11	STG13VCA32
50	11.5	STG13VCA33
52	11.5	STG13VCA35
55	11.5	STG13VCA38
58	11.5	STG13VCA40
60	14.3	STG13VCA42
62	14.3	STG13VCA43
64	14.3	STG13VCA45
68.4	14.3	STG13VCA48
69.3	14.3	STG13VCA50
72.3	15.3	STG13VCA53
75.4	15.3	STG13VCA55
78.4	15.3	STG13VCA58
80.4	15.3	STG13VCA60
85.4	15.3	STG13VCA65
91.5	16	STG13VCA68
92	15.3	STG13VCA70
99	15.3	STG13VCA75
104	16.3	STG13VCA80
109	16.3	STG13VCA85
114	16.3	STG13VCA90
120.3	17.3	STG13VCA95
123.3	17.3	STG13VCA100

SEAT DIMS		G50 - CUP
BORE D2	THICK L6	VITON / SC
24.6	9	STG50VSC10
27.8	9	STG50VSC12
30.95	10.5	STG50VSC14
30.95	10.5	STG50VSC15
30.95	10.5	STG50VSC16
34.15	10.5	STG50VSC18
35.7	10.5	STG50VSC20
37.3	10.5	STG50VSC22
40.5	10.5	STG50VSC24
40.5	10.5	STG50VSC25
47.65	12	STG50VSC28
50.8	12	STG50VSC30
50.8	12	STG50VSC32
54	12	STG50VSC33
54	12	STG50VSC35
57.15	12	STG50VSC38
60.35	12	STG50VSC40
63.5	12	STG50VSC42
63.5	12	STG50VSC43
63.5	12	STG50VSC45
66.7	12	STG50VSC48
69.85	13.5	STG50VSC50
73.05	13.5	STG50VSC53
76.2	13.5	STG50VSC55
79.4	13.5	STG50VSC58
79.4	13.5	STG50VSC60
92.1	16	STG50VSC65
95.25	16	STG50VSC68
95.25	16	STG50VSC70
101.6	16	STG50VSC75
114.3	20	STG50VSC80
117.5	20	STG50VSC85
123.85	20	STG50VSC90
127	20	STG50VSC95
133.35	20	STG50VSC100

PUMP SEALS - FLYGT



FLYGT MODEL	UPPER SEAL	SEAL SIZE	MATERIALS	LOWER SEAL	SEAL SIZE	MATERIALS	ORING KIT
2066	VGF-02020	20	Car//TC/Buna	VGF-03020	20	TC/TC/Viton	OKIT-2066
2102.04	VGF-09022	22	TC/TC/Buna	VGF-10022	22	TC/TC/Viton	OKIT-2102
2102.041	VGF-07022	22	TC/TC/Buna	VGF-08022	22	TC/TC/Viton	OKIT-2102
2102.21	VGF-07022	22	TC/TC/Buna	VGF-08022	22	TC/TC/Viton	OKIT-2102
2125	VGF-19028	28	TC/TC/Buna	VGF-20028	28	TC/TC/Viton	OKIT-2125
2140	VGF-19028	28	TC/TC/Buna	VGF-20028	28	TC/TC/Viton	OKIT-2140
2151.01	VGF-21035	35	TC/TC/Buna	VGF-22035	35	TC/TC/Viton	OKIT-2151
2151.011	VGF-21035	35	TC/TC/Buna	VGF-23035	35	TC/TC/Viton	OKIT-2151
2151.05	VGF-21035	35	TC/TC/Buna	VGF-23035	35	TC/TC/Viton	OKIT-2151
2201.011LT	VGF-28045	45	Car/TC/Buna	VGF-29045	45	TC/TC/Viton	OKIT-2201
2250	VGF-30060	60	Car/TC/Buna	VGF-31060	60	TC/TC/Viton	OKIT-2250
2400	VGF-34060	60	TC/TC/Buna	VGF-35060	60	TC/TC/Viton	OKIT-2400
3066	VGF-05020	20	TC/TC/Viton	VGF-05020	20	TC/TC/Viton	OKIT-3066
3067.09	VGF-05020	20	TC/TC/Viton	VGF-05020	20	TC/TC/Viton	OKIT-3067
3067.17	VGF-05020	20	TC/TC/Viton	VGF-05020	20	TC/TC/Viton	OKIT-3067
3067.18	VGF-05020	20	TC/TC/Viton	VGF-05020	20	TC/TC/Viton	OKIT-3067
3067.25	VGF-05020	20	TC/TC/Viton	VGF-05020	20	TC/TC/Viton	OKIT-3067
3067.59	VGF-05020	20	TC/TC/Viton	VGF-05020	20	TC/TC/Viton	OKIT-3067
3067.69	VGF-05020	20	TC/TC/Viton	VGF-05020	20	TC/TC/Viton	OKIT-3067
3067.89	VGF-05020	20	TC/TC/Viton	VGF-05020	20	TC/TC/Viton	OKIT-3067
3082	VGF-09022	22	TC/TC/Buna	VGF-10022	22	TC/TC/Viton	OKIT-3082
3085.091	VGF-05020	20	TC/TC/Viton	VGF-05020	20	TC/TC/Viton	OKIT-3085
3085.092	VGF-05020	20	TC/TC/Viton	VGF-05020	20	TC/TC/Viton	OKIT-3085
3085.12	VGF-05020	20	TC/TC/Viton	VGF-05020	20	TC/TC/Viton	OKIT-3085
3085.17	VGF-05020	20	TC/TC/Viton	VGF-05020	20	TC/TC/Viton	OKIT-3085
3085.171	VGF-05020	20	TC/TC/Viton	VGF-05020	20	TC/TC/Viton	OKIT-3085

** Model 3085 SLURRY SEAL NOTES

Some 3085 pumps have a slurry seal in the lower position. There is no way to tell this from the name plate or pump code. It must be identified visually.

The key difference is the seat size and style. These seals are not interchangeable due to the specialized seat housing.

VGF-3085SL - Slurry Seal

20mm - Viton/TC/TC - replaces lower VGF-05020

Floating ORING style - no ORING groove in seat

39mm Seat OD

Ask about special order seat housings VGF-0772 (top) and VGF-0771 (bottom)



PUMP SEALS - FLYGT



FLYGT MODEL	UPPER SEAL	SEAL SIZE	MATERIALS	LOWER SEAL	SEAL SIZE	MATERIALS	ORING KIT
3085.172	VGf-05020	20	TC/TC/Viton	VGf-05020	20	TC/TC/Viton	OKIT-3085
3085.18	VGf-05020	20	TC/TC/Viton	VGf-05020	20	TC/TC/Viton	OKIT-3085
3085.181	VGf-05020	20	TC/TC/Viton	VGf-05020	20	TC/TC/Viton	OKIT-3085
3085.182	VGf-05020	20	TC/TC/Viton	VGf-05020	20	TC/TC/Viton	OKIT-3085
3085.28	VGf-05020	20	TC/TC/Viton	VGf-06020	20	TC/TC/Viton	OKIT-3085
3085.29	VGf-05020	20	TC/TC/Viton	VGf-06020	20	TC/TC/Viton	OKIT-3085
3085.89	VGf-05020	20	TC/TC/Viton	VGf-05020	20	TC/TC/Viton	OKIT-3085
3085.891	VGf-05020	20	TC/TC/Viton	VGf-05020	20	TC/TC/Viton	OKIT-3085
3101	VGf-17028	28	TC/TC/Buna	VGf-18028	28	TC/TC/Viton	OKIT-3101
3102	VGf-15025	25	TC/TC/Buna	VGf-15025	25	TC/TC/Viton	OKIT-3102
3126.09	VGf-21035	35	TC/TC/Buna	VGf-22035	35	TC/TC/Viton	OKIT-3126
3126.091	VGf-21035	35	TC/TC/Buna	VGf-25035	35	TC/TC/Viton	OKIT-3126
3126.18	VGf-21035	35	TC/TC/Buna	VGf-22035	35	TC/TC/Viton	OKIT-3126
3126.181	VGf-25035	35	TC/TC/Viton	VGf-25035	35	TC/TC/Viton	OKIT-3126
3126.28	VGf-21035	35	TC/TC/Buna	VGf-25035	35	TC/TC/Viton	OKIT-3126
3126.29	VGf-21035	35	TC/TC/Buna	VGf-25035	35	TC/TC/Viton	OKIT-3126
3127	VGf-25035	35	TC/TC/Viton	VGf-25035	35	TC/TC/Viton	OKIT-3127
3140	VGf-28045	45	Car/TC/Buna	VGf-29045	45	TC/TC/Viton	OKIT-3140
3152	VGf-28045	45	Car/TC/Buna	VGf-29045	45	TC/TC/Viton	OKIT-3152
3170	VGf-32060	60	Car/TC/Buna	VGf-33060	60	TC/TC/Viton	OKIT-3201
3201	VGf-32060	60	Car/TC/Buna	VGf-33060	60	TC/TC/Viton	OKIT-3201
3300.091	VGf-36090	90	TC/TC/Buna	VGf-37080	80	TC/TC/Viton	OKIT-3300
3300.181	VGf-36090	90	TC/TC/Buna	VGf-37080	80	TC/TC/Viton	OKIT-3300
3300.28	VGf-36090	90	TC/TC/Buna	VGf-37080	80	TC/TC/Viton	OKIT-3300
3300.98	VGf-36090	90	TC/TC/Buna	VGf-37080	80	TC/TC/Viton	OKIT-3300
3530	VGf-36090	90	TC/TC/Buna	VGf-39120	120	TC/TC/Viton	OKIT-3530

**** NEW Grip-Loc style seals are available and in stock !!**

Simplified installation - no snap rings or grub screws to damage shaft

Available Sizes:

VGf-05020-GL

VGf-15025-GL



PUMP SEALS - FLYGT Plug-In



FLYGT MODEL	PLUG-IN DOUBLE SEAL	SEAL SIZE	MATERIALS	ORING KIT
2610	VG-20000	20	TC/TC/Viton -- TC/Cer/Viton	OKIT-2610
2620	VG-20000	20	TC/TC/Viton -- TC/Cer/Viton	OKIT-2620
2630	VG-20000	20	TC/TC/Viton -- TC/Cer/Viton	OKIT-2630
2640	VG-20000	20	TC/TC/Viton -- TC/Cer/Viton	OKIT-2640
2660	VG-20001	25	SC/SC/Viton -- TC/Cer/Viton	OKI -2660
2670	VG-20002	35	TC/TC/Viton -- TC/TC/Viton	OKIT-2670
3153	VG-20002	35	TC/TC/Viton -- TC/TC/Viton	OKIT-3153
3171	VG-20003	45	TC/TC/Viton -- TC/TC/Viton	OKIT-3171
3202	VG-20004	60	TC/TC/Viton -- TC/TC/Viton	OKIT-3202
3301	VG-20005	80	TC/TC/Viton -- TC/TC/Viton	OKIT-3301
4610	VG-20000	20	TC/TC/Viton -- TC/Cer/Viton	OKIT-4610
4620	VG-20000	20	TC/TC/Viton -- TC/Cer/Viton	OKIT-4610
4630	VG-20001	25	SC/SC/Viton -- TC/Cer/Viton	OKIT-4630
4640	VG-20001	25	SC/SC/Viton -- TC/Cer/Viton	OKIT-4630
4650	VG-20003	45	TC/TC/Viton -- TC/TC/Viton	OKIT-4650
4660	VG-20003	45	TC/TC/Viton -- TC/TC/Viton	OKIT-4650
4670	VG-20004	60	TC/TC/Viton -- TC/TC/Viton	OKIT-4670
4680	VG-20004	60	TC/TC/Viton -- TC/TC/Viton	OKIT-4670
5100.21	VG-20002	35	TC/TC/Viton -- TC/TC/Viton	OKIT-5100
5100.211	VG-20002	35	TC/TC/Viton -- TC/TC/Viton	OKIT-5100-211
5100.22	VG-20002	35	TC/TC/Viton -- TC/TC/Viton	OKIT-5100
5100.221	VG-20002	35	TC/TC/Viton -- TC/TC/Viton	OKIT-5100-211
5100.25	VG-20003	45	TC/TC/Viton -- TC/TC/Viton	OKIT-5100-250
5100.251	VG-20003	45	TC/TC/Viton -- TC/TC/Viton	OKIT-5100-250
5100.26	VG-20003	45	TC/TC/Viton -- TC/TC/Viton	OKIT-5100-250
5100.261	VG-20003	45	TC/TC/Viton -- TC/TC/Viton	OKIT-5100-250
5100.3	VG-20004	60	TC/TC/Viton -- TC/TC/Viton	OKIT-5100-300
5100.31	VG-20004	60	TC/TC/Viton -- TC/TC/Viton	OKIT-5100-300
5100.3	VG-20004	60	TC/TC/Viton -- TC/TC/Viton	OKIT-5100-300
5150.31	VG-20004	60	TC/TC/Viton -- TC/TC/Viton	OKIT-5150-300
5150.35	VG-20005	80	TC/TC/Viton -- TC/TC/Viton	OKIT-5150-350
5150.36	VG-20005	80	TC/TC/Viton -- TC/TC/Viton	OKIT-5150-350

SPIRALINK COUPLERS



COUPLER PART #	B&G PUMP MODEL	HP	ROT	SHAFT SIZES
SP-10010 SP-10010HD	75	1/12	CW	1/2 x 1/2
	100	1/12		
	125	1/12		
	150	1/12		
	1-1/2"	1/6		
	2"	1/6		
	2-1/2"	1/4		
	LD3	1/4		
	HD3	1/3		
	HV1	1/6		
SP-10023	PD-35	1/2	CCW	1/2 x 1/2 1/2 x 5/8
	PD-37	3/4		
SP-10034	PD-38	1	CCW	5/8 x 5/8
	PD-39	1		
SP-10023	60-1/60-11	1/4	CCW	1/2 x 1/2
	60-2	1/3		
	60-3/60-13	1/2		
	60-4-60-14	3/4		
SP-10034	60-5/60-15	1/2	CCW	5/8 x 5/8
	60-6/60-16	3/4		
	60-8	3/4		
	60-17	1		
	60-19	1		
SP-10023	1522 1S & 1T TO 17S & 17T	1/4 TO 2	CCW	1/2 x 1/2 1/2 x 5/8

- SP-10010HD has a heavy duty spring for 1/3 hp applications

- SP-10023 and SP-10034 come with internal sleeve for 1/2" x 5/8"

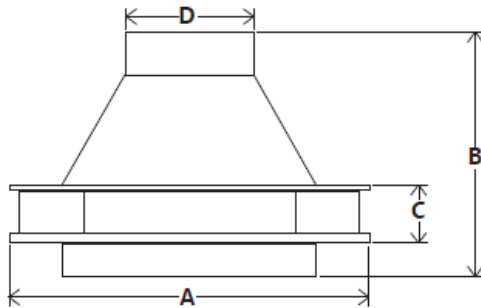
- SP-10045 comes with 2PC of internal sleeve for any combination of 1/2" or 5/8" shaft ends

COUPLER PART #	ARMSTRONG MODEL	HP	ROT	SHAFT SIZES
SP-10010 SP-10010HD	S-25	1/12	CW	1/2 x 1/2
	S-34	1/6		
	S-35	1/6		
	S-45	1/4		
	S-46	1/3		
	H-32	1/6		
	H-41	1/6		
SP-10023	S-55	1/2	CCW	1/2 x 1/2 1/2 x 5/8
	S-57	3/4		
SP-10034	S-69	1	CCW	5/8 x 5/8
SP-10023	H-51	1/4	CCW	1/2 x 1/2
	H-52	1/3		
	H-53	1/2		
	H-54	3/4		
SP-10034	H-63	1/2	CCW	5/8 x 5/8
	H-64	3/4		
	H-65	3/4		
	H-66	1		
	H-67	1		

COUPLER PART #	TACO MODEL	HP	ROT	SHAFT SIZES
SP-10045	121	1/12	CW	1/2 x 1/2 1/2 x 5/8 5/8 x 5/8
	122	1/6		
	131	1/6		
	132	1/4		
	133	1/3		
	138	1/6		
	138	1/6		

PUMP PARTS

IMPELLERS



PUM TECH PART #	ID	MATERIAL	A	B	C	D	ROT	PUMP REF.
ARM-961111	3/8	non-ferrous	2-3/4	1-7/8	1/2	1-1/2	cw	S-25
ARM-322041	3/8	bronze	3-3/8	1-1/2	5/8	1-1/2	cw	H-32,S-35
ARM-322111	3/8	non-ferrous	3-3/8	1-7/8	11/16	1-1/2	cw	H-32,S-35
ARM-305058	3/8	bronze	3-7/8	2-1/2	1	2	cw	S-45
ARM-305328	3/8	non-ferrous	3-7/8	2-1/2	1	2	cw	S-45
ARM-301055	3/8	bronze	4-1/4	2-3/8	7/16	1-9/16	cw	H-41
ARM-301325	3/8	non-ferrous	4-1/4	2-3/8	7/16	1-9/16	cw	H-41
ARM-305055	3/8	bronze	4-1/4	2-1/2	1	2	cw	S-46
ARM-305325	3/8	non-ferrous	4-1/4	2-7/16	1	2	cw	S-46
ARM-304051	3/8	bronze	4-3/4	2-3/8	7/8	2	ccw	S-55
ARM-304321	3/8	non-ferrous	4-3/4	2-3/8	7/8	2	ccw	S-55
ARM-302049	3/8	bronze	5	2-3/8	7/16	1-9/16	ccw	H-51
ARM-302319	3/8	non-ferrous	5	2-5/16	7/16	1-9/16	ccw	H-51
ARM-302047	3/8	bronze	5-1/4	2-3/8	7/16	1-9/16	ccw	H-52
ARM-302317	3/8	non-ferrous	5-1/4	2-5/16	7/16	1-9/16	ccw	H-52
ARM-304047	3/8	bronze	5-1/4	2-3/8	7/8	2	ccw	S-57/H-54
ARM-304317	3/8	non-ferrous	5-1/4	2-5/16	7/8	2	ccw	S-57/H-54
ARM-303317	3/8	non-ferrous	5-1/4	2-1/2	5/8	1-9/16	ccw	H-53
ARM-303047	3/8	bronze	5-1/4	2-1/2	5/8	1-9/16	ccw	H-53

All Armstrong circulator pumps ship with non-ferrous impellers as stock.
Non-Ferrous material is a very strong, resin bonded, nylon filled plastic

Other sizes and materials available. Steel impellers available upon request.
Please call.

For all 6 Series Armstrong impellers please call.

PUMP PARTS - TACO

FIG. 1

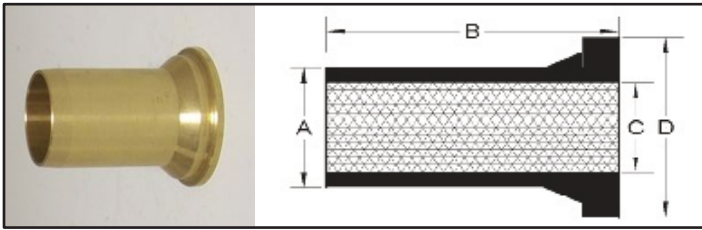
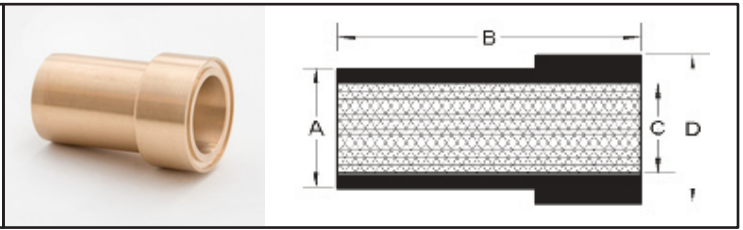


FIG. 2



PUM TECH PART #	FIG.	TACO REFERENCE	A	B	C	D	Internal Step
SLV-1119	1	953-1119RP	1.125	1.925	1.003	1.625	0.883 i.d. x 0.240 long
SLV-1303	1	951-3161BRP	1.125	2.062	1.003	1.625	0.883 i.d. x 0.369 long
SLV-0519	2	950-519RP	1.125	2.640	1.003	1.375	0.883 i.d. x 0.350 long
SLV-1171	1	953-1171RP	1.500	2.110	1.379	2.000	1.250 i.d. x 0.260 long
SLV-150P5	1	951-3035 / 951-3162BRP	1.500	2.688	1.379	2.000	1.250 i.d. x 0.598 long
SLV-0665	2	950-520RP / 950-665BRP	1.500	2.900	1.377	1.880	1.250 i.d. x 0.638 long
SLV-187P1	1	950-1369 / 951-3038BRP	1.875	2.725	1.750	2.625	1.630 i.d. x 0.665 long

COMMON TACO SEALS IN UPGRADED MATERIALS

PUM TECH PART #	SHAFT SIZE	CUP SEAT	SEAL TYPE
MS-359EP66X	.625	1.250 x .406	21
MS-356EP66X	1.125	1.750 x .437	21
PS-3004	.500	1.000 x .312	2100

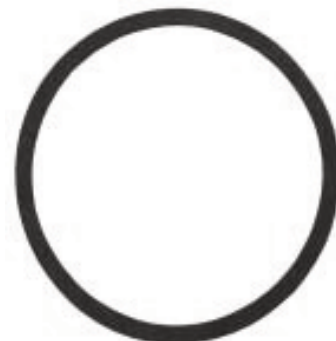
EPR / P66 CARBON / SILICON-CARBIDE

PS-3004 REPLACES TACO #185-135 USED IN MODEL 2400



TACO BODY GASKETS

PUMP TECH PART #	ID	OD	THICK
TACO-047	4-3/4	5-3/16	1/32
TACO-055	5-9/16	6-1/16	1/32
TACO-063	6-3/8	6-7/8	1/32
TACO-065	6-17/32	7-1/8	1/32
TACO-069	6-15/16	7-9/16	1/32
TACO-075	7-9/16	8-1/8	1/32
TACO-0800	8	8-1/2	1/32
TACO-084	8-7/16	9-1/8	1/32
TACO-092	9-1/4	9-11/16	1/32
TACO-104	10-7/16	11-1/4	1/32



PUMP PARTS TACO

KIT-TACO-0600



REF: 1600-868-CRP-EP

5/8" Type 21 John Crane seal, EPR / P66 abrasion resistant carbon, ceramic cup seat, left hand threaded bolt, washer, seal, lubricant & gaskets

KIT-TACO-1210



REF: 950-664-BRP-EP

1-1/8" Type 21 John Crane seal
EPR / carbon / ceramic cup seat, bronze sleeve : 2.640 long
lubricant, washer & gaskets

KIT-TACO-1220



REF: 951-3161-BRP-EP

1-1/8" Type 21 John Crane seal
EPR / carbon / ceramic cup seat, tapered bronze sleeve : 2.062 long
lubricant, washer & gaskets

KIT-TACO-1230



REF: 953-1549-3BRP-EP

1-1/8" Type 21 John Crane seal
EPR / carbon / ceramic cup seat, tapered bronze sleeve : 1.925" long
lubricant, slinger, o-rings, washer & gaskets

KIT-TACO-1240



REF: 953-1548-3RP

1-1/8" Type 21 John Crane seal
EPR / carbon / ceramic cup seat, left hand threaded bolt
lubricant, snap-ring, o-rings, washer & gaskets

KIT-TACO-1500



REF: 862-172-BRP-EP

1-1/2" type 1 John Crane seal
EPR / carbon / ceramic cup seat, bronze sleeve : 3.840 long x 1.375 I.D.
lubricant, washer & gaskets

PUMP PARTS TACO

KIT-TACO-1510



REF: 951-3162-BRP-EP

1-1/2" type 21 John Crane seal
EPR / carbon / ceramic cup seat, tapered bronze sleeve : 2.700 long
lubricant, washer & gaskets

KIT-TACO-1520



REF: 953-1549-6BRP-EP

1-1/2" type 21 John Crane seal
EPR / carbon / ceramic cup seat, tapered bronze sleeve : 2.115 long
lubricant, washer, O-rings & gaskets

KIT-TACO-1530



REF: 950-665-BRP-EP

1-1/2" type 21 John Crane seal
epr / carbon / ni-resist cup seat, bronze sleeve : 2.900 long
lubricant, washer & gaskets

KIT-TACO-1540



REF: 953-1548-6RP

includes 1-1/2" type 21 John Crane seal, buna / carbon / ceramic cup seat
lubricant, snap ring, gaskets, O-rings

1600-160RP-2



OEM TACO Bearing Cartridge

**** NOTE **** This new design uses a stainless steel shaft with NO SLEEVE.
TA-205RP is not needed for this new unit.
Seal mounts directly on the shaft



SLV-205RP

Brass sleeve for 1600-160RP. Not
needed for NEW 1600-160RP



SN-112

Snap Ring for 1.125" seal.

1.050" OD

GASKETS

ARMSTRONG / B&G GASKETS

PUMP TECH PART #	TYPE	ID	OD	THICK	CROSS	NOTES	MATERIAL
SLINGER-9	slinger	3/4	1-1/2	1/16	116368-000		rubber
SLINGER-21	slinger	1-1/4	2	1/8	406622-000 / P53550		rubber
SLINGER-1625	slinger	1-5/8	3	1/8	419315-000 / P53720		rubber
104442-000	body	2-13/16	3-1/8	1/32	P04080	#2 Series Circulators	black paper/fibre
106049-000	body	3-3/8	3-7/8	1/32	P04890	#3 Series Circulators	black paper/fibre
106050-000	body	4-5/16	4-13/16	1/32	P05800	#4 Series Circulators	black paper/fibre
106158-000	body	5-1/4	5-5/8	1/32	P57410	#5 Series Circulators	black paper/fibre
106592-000	body	7-1/16	7-15/16	1/32	P57700	#6 Series Circulators	black paper/fibre
116400-000	square	3-5/16	1-15/16	L x W		#6 Oil Well Cover Gasket	rubber
406604-000	body	9-9/16	11-9/16	1/32	P48690	12 HOLES	black paper/fibre
426467-001	gland	1-13/16	2-1/2	1/32			blue/green nitrile fiber
426401-001	body	5	5-11/16	1/16			blue/green nitrile fiber
426401-002	body	6-1/4	7	1/16			blue/green nitrile fiber
426401-003	body	8-1/4	9	1/16			blue/green nitrile fiber
426401-004	body	10-3/16	10-15/16	1/16			blue/green nitrile fiber
426401-005	body	13-1/4	14	1/16			blue/green nitrile fiber
426401-006	body	11-9/16	12-5/16	1/16			blue/green nitrile fiber
426401-008	body	15-5/8	16-3/8	1/16			blue/green nitrile fiber
P58542	body	6-5/8	7-1/8	1/32		B&G 60 Series	black paper/fibre
P80765	body	11-3/8	12-1/8	1/16		B&G 80, 1510, 1531	blue/green nitrile fiber
P80767	body	13-3/4	14-1/2	1/16		B&G 80, 1510, 1531	blue/green nitrile fiber

PUMP TECH PART #	ID	OD	THICK	BOLT HOLES	PIPE SIZE	MATERIAL
116653-000	1-3/8	2-3/16	1/4	0		rubber
105176-001	1-5/8	2-3/16	1/4	0		rubber
105176-000	1-13/16	2-3/16	1/4	0		rubber
105209-002	2	2-3/4	1/4	0		rubber
104034-000	2-1/8	2-1/2	1/4	0		rubber
105209-000	2-5/16	3	1/16	0		rubber
116117-000	2-1/2	3	1/4	0		rubber
105201-000	3-7/16	3-7/8	1/4	0		rubber
FLANGE-140	1-5/16	4-5/16	1/16	4	1	blue/green nitrile fiber
FLANGE-141	1-7/8	5-1/16	1/16	4	1-1/2	blue/green nitrile fiber
FLANGE-220	2-3/8	6	1/16	4	2	blue/green nitrile fiber
FLANGE-225	2-3/8	4-1/8	1/16	0	2	blue/green nitrile fiber
FLANGE-221	2-7/8	7	1/16	4	2-1/2	blue/green nitrile fiber
FLANGE-226	2-7/8	4-7/8	1/16	0	2-1/2	blue/green nitrile fiber
FLANGE-230	3-1/2	7-1/2	1/16	4	3	blue/green nitrile fiber
FLANGE-235	3-1/2	5-3/8	1/16	0	3	blue/green nitrile fiber
FLANGE-240	4-1/2	9	1/16	8	4	blue/green nitrile fiber
FLANGE-245	4-1/2	6-7/8	1/16	0	4	blue/green nitrile fiber
FLANGE-250	5-9/16	10	1/16	8	5	blue/green nitrile fiber
FLANGE-255	5-9/16	7-3/4	1/16	0	5	blue/green nitrile fiber
FLANGE-260	6-5/8	11	1/16	8	6	blue/green nitrile fiber
FLANGE-265	6-5/8	8-3/4	1/16	0	6	blue/green nitrile fiber

GASKETS

SHAFT SLINGERS

PUMP TECH PART #	ID
SLINGER-7	1/2
SLINGER-8	5/8
SLINGER-9	3/4
SLINGER-25	7/8
SLINGER-10	15/16
SLINGER-26	1
SLINGER-21	1-1/4
SLINGER-12	1-5/16
SLINGER-22	1-1/2
SLINGER-1625	1-5/8
SLINGER-14	1-11/16
SLINGER-15	1-3/4
SLINGER-16	1-7/8
SLINGER-17	2-1/16
SLINGER-37	2-1/8
SLINGER-38	2-3/8
SLINGER-18	2-1/2
SLINGER-20	3-3/8

HYLOMAR-M

PUMP TECH PART #
HYLOMAR-M



- easy to use, unlimited assembly time
- non-setting
- temp range -50C. to +250C.
- resistance to fuels, oils, coolants and gases
- use on metal joint surfaces to replace conventional gaskets
- use as a gasket dressing to improve the sealing performance of the gasket and to assist gasket alignment during assembly
- use as a non-curing thread sealant, resists vibration

CUNO-410



REF: 975000-410
CUNO Head Gasket
3 x 3-9/16 x .030 Thick

CUNO-411



REF: 975000-411
CUNO Nut Gasket
3/8 x 5/8 x 1/16 Thick

CUNO-300



Resin Bonded Filter Cartridge - Colour may vary
50 Micron - 250F Temp rating
2.500" diameter x 3.750" long

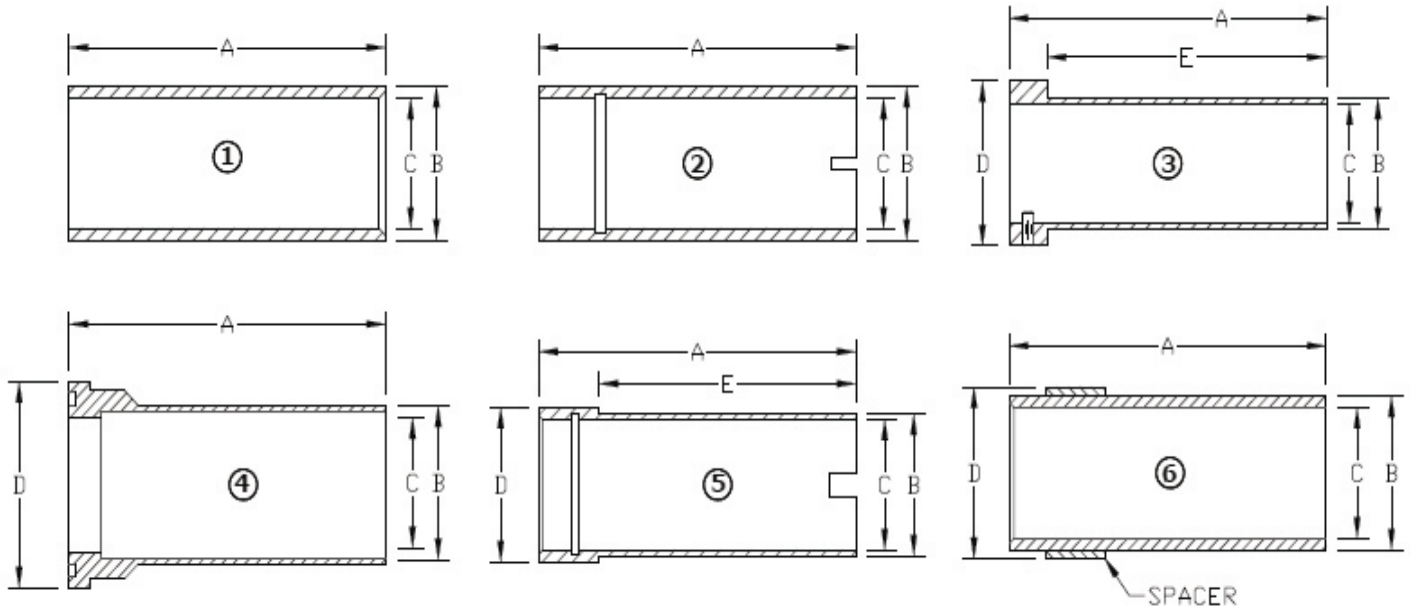
CUNO-300PT



Poly Wound String on Tin Core
50 Micron
2.375" diameter x 4.000" long
Will compress to fit CUNO-200 / 200SS

PUMP SLEEVES

SLEEVE TYPES - REFERENCE DRAWING

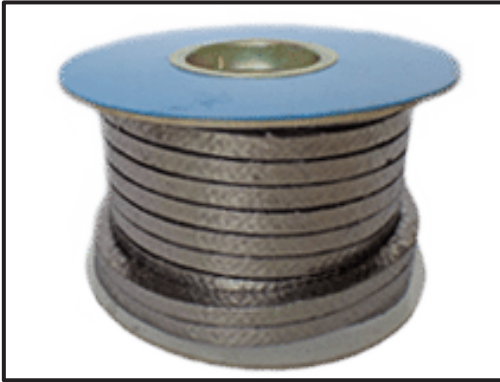


PUMP SLEEVES

PUMP TECH PART #	B SEAL SIZE	A	C	D	FIG.	MATERIAL	NOTES	CROSSOVER	OEM
TA-205RP	.625	1.940	Tapered	1.300		bronze	For Taco Cartridge 1600-160RP	1600-205RP	TACO
SLV-1119	1.125	1.925	1.003	1.625	4	bronze	Tapered Neck - .875" Internal Step	953-1119RP	TACO
SLV-1303	1.125	2.062	1.003	1.625	4	bronze	Tapered Neck - .875" Internal Step	951-3161BRP	TACO
SLV-77208-AU	1.125	2.312	1.003	1.500	3	bronze	Drivepin	756-077-208	AURORA
SLV-0519	1.125	2.640	1.003	1.375	5	bronze	Square Neck - .875" Internal Step	950-519RP	TACO
SLV-2356	1.125	4.550	1.003	1.250	5	SS	Keyway	C23-56SS	STA-RITE
SLV-4L456	1.250	2.065	1.003	1.550	5	SS	.875" Internal Step	4L456	GOULDS
SLV-4K66	1.250	1.500	1.003	-	1	SS	.875 "Internal Step	4K66	GOULDS
SLV-12510	1.250	1.218	0.998	-	1	bronze	Press Fit	12510	B&G
SLV-619	1.250	2.195	0.998	-	1	SS	Packing Sleeve		BERKELEY
SLV-1125	1.250	2.250	0.998	-	1	bronze	Press Fit	425869-001	ARMSTRONG
SLV-1931-PR	1.250	2.250	0.999	-	1	SS	Press Fit & Snap Ring	19310-1	BERKELEY
SLV-1931-SL	1.250	2.250	1.004	-	1	SS	SlipFit & Snapping	19310	BERKELEY
SLV-2358	1.250	2.285	1.003	-	1	SS	Keyway 184Jm/215Jm	C23-58	STA-RITE
SLV-69206	1.250	2.360	1.000	-	1	SS	Internal Step 1.060 x .450"	425869-206	ARMSTRONG
SLV-185024	1.250	2.365	1.003	-	1	bronze	SlipFit	185024	B&G
SLV-185025	1.250	2.365	1.003	-	1	SS	SlipFit - Includes Loctite	185025	B&G
SLV-7547B	1.250	2.375	1.003	-	1	bronze	SlipFit	05017547B	PACO
SLV-7547SS	1.250	2.375	1.003	-	1	SS	SlipFit	05017547B-SS	PACO
SLV-87211	1.250	2.400	1.000	-	1	bronze	1.125" Internal Step & O-Ring	8787211	GRISWOLD
SLV-69202	1.250	2.500	1.000	-	1	SS	Internal Step 1.060 x .580" - 143-215JM	425869-202	ARMSTRONG
SLV-12502	1.250	2.500	0.998	-	1	bronze	PressFit		B&G
SLV-1519A	1.250	2.500	1.003	-	2	bronze	Internal O-Ring Groove	2691519/A BSE-2	PEERLESS
SLV-8976B	1.250	3.500	.998	-	1	bronze	PressFit	05008976B	PACO
SLV-137Q1	1.375	4.187	1.127	-	1	SS	Internal Steps & Keyway	3196ST	GOULDS
SLV-152125	1.500	2.125	1.000	-	1	bronze			SCOT
SLV-11876A	1.500	2.290	1.250	1	SS	O-ring		11876A	GORMAN RUPP
SLV-78208	1.500	2.437	1.378	1.867	3	bronze	Drivepin	756-078-208	AURORA
SLV-1171	1.500	2.110	1.379	2.000	4	bronze	Tapered Neck - Internal Step	953-1171RP	TACO
SLV-150P5	1.500	2.688	1.379	2.000	4	bronze	Tapered Neck - Internal Step	951-3035 / 951-3162BRP	TACO
SLV-0665	1.500	2.900	1.377	1.880	5	bronze	Square Neck - Internal Step	950-520RP / 950-665BRP	TACO
SLV-1521B	1.500	3.250	1.375	1.631	5	bronze	Slot & O-Ring Groove	2691521/B	PEERLESS
SLV-185142	1.625	1.730	1.375	-	1	bronze		185142	B&G
SLV-185143	1.625	1.730	1.375	-	1	SS		185143	B&G
SLV-4K262	1.625	1.750	1.377	-	1	SS	Internal Step & Groove in ID	4K262	GOULDS
SLV-69003	1.625	2.375	1.373	-	1	bronze	Press Fit - JM Frame	425869-003	ARMSTRONG
SLV-69204	1.625	2.625	1.375	-	1	SS	254-326JM	425869-204	ARMSTRONG
SLV-69021	1.625	3.500	1.373	-	1	bronze	PressFit - JP Frame	425869-021	ARMSTRONG
SLV-162M5	1.625	3.687	1.377	-	1	bronze		2000	ALLIS-CHALM.
SLV-185021	1.625	3.750	1.375	-	1	bronze	SlipFit	185021	B&G
SLV-185022	1.625	3.75	1.375	-	1	SS	SlipFit	185022	B&G
SLV-69222	1.625	3.750	1.375	-	1	SS	213-326JP	425869-222	ARMSTRONG
SLV-175CM1	1.750	2.320	1.500	-	1	SS	O-Ring in ID		
SLV-18869	1.750	2.375	1.377	-	1	SS	C/W External Snap Ring	18869	BERKELEY
SLV-6451B	1.750	3.375	1.378	-	1	bronze		05016451B	PACO
SLV-69023	1.750	3.500	1.373	-	1	bronze	PressFit	425869-023	ARMSTRONG
SLV-2272B	1.750	4.500	1.373	-	1	bronze	PressFit	05002272B	PACO
SLV-187P1	1.875	2.725	1.750	2.625	4	bronze	Internal Step & Groove In I.D. - Tapered Neck	950-1369 / 951-3038BRP	TACO

PUMP PACKING

SOLD in 1lb BOXES/SPOOLS



PUMP TECH PART #	CROSS SECTION	Approximate FEET / lb.
GRAPHITE-1/8	1/8"	125
GRAPHITE-3/16	3/16"	46
GRAPHITE-1/4	1/4"	31
GRAPHITE-5/16	5/16"	20
GRAPHITE-3/8	3/8"	12
GRAPHITE-7/16	7/16"	10
GRAPHITE-1/2	1/2"	8

3200 Style GRAPHITE Braided Pump Packing

Graphite packing excels in high-temperature, high-pressure environments, offering excellent heat resistance and lubrication in applications like power plants and refineries



PUMP TECH PART #	CROSS SECTION	Approximate FEET / lb.
TEFLON-1/8	1/8"	88
TEFLON-3/16	3/16"	41
TEFLON-1/4	1/4"	28
TEFLON-5/16	5/16"	16
TEFLON-3/8	3/8"	11
TEFLON-7/16	7/16"	9
TEFLON-1/2	1/2"	6.5

3600 Style TEFLON Braided Pump Packing

TEFLON is favored for its chemical resistance, low friction, and non-conductivity, making it suitable for applications like food and pharmaceutical industries.



Pump Tech Supply Ltd. is an authorized Armstrong Dealer

ARMSTRONG PARTS AVAILABILITY WILL BEGIN APPX.

JUNE of 2025

Please call or email for all Armstrong SBA, impeller, parts and complete pump quotes

B&G parts and pump quotes are available now!



Bell & Gossett

a **xylem** brand

ARMSTRONG / B&G

ARMSTRONG #2 thru #4 SBA's



Ball Bearing Design - Fits all BF and AB construction circulator pumps
Seal and body gasket included

PART #	PUMP #	PUMP FLANGE HOLES	MOTOR FLANGE HOLES	BODY GASKET (included)
*818254-003K	S25	2-9/16	3-5/16	104442-000
*818324-003K	3 Series	3-3/16	3-9/16	106049-000
818234-000K	B&G	3-3/16	3-5/16	106049-000
818404-000K	4 Series	3-7/8	3-9/16	106050-000

* Includes Non-Ferrous Impeller

818504-000K - #5 SBA



5 SBA - Casting # 117955 / 116955
Includes GASKET and SEAL (MS-392ECX)
8 holes in pump flange = 2-5/16
4 holes in motor flange = 4-1/8
flange to flange = 4-9/16
Gasket is 106158-000

818602-000K - #6 SBA



6 Series SBA - S69, H-67, 1060, etc...
Casting # 116342
Includes GASKET, SEAL and OIL
8 holes in pump flange = 2-5/16
4 holes in motor flange = 4-1/8
flange to flange = 6-7/8

818602-100K - #6 SBA w/PLATE



Assembled #6 SBA with Seal Plate
Includes GASKET, SEAL and OIL, NUTS/BOLTS/
WASHERS
Includes Seal Plate 816346-011

816621-999



PUMP OIL - 2oz.
Non-Detergent / Non-Foaming
SAE 30 for oiled bearing assemblies

BG-185332



BELL & GOSSETT SBA 185332LF
For 60 Series pumps OR fully interchangeable with
Armstrong 818504-000K in any 5 Series Pump
8 holes in pump flange = 2-5/16
4 holes in motor flange = 4-1/8
flange to flange = 5-1/4

P58576



B&G ADAPTER PLATE
Casting #P58575
Gasket NOT included - P58542

BG-185333



B&G SEAL BEARING ASSEMBLY 185333LF
Casting #58494
Includes SBA, Seal Plate, Seal, Gasket
Ball bearing style - For oiled version use BG-185260

ARM-999041 - ARM-99041-BB



AFTERMARKET SBA REPAIR MODULE
Fits # 2 - #5 Armstrong seal bearing assemblies
ARM-999041-BB - MF ball bearing design
ARM-999041 - OIL design
NOT INTERCHANGABLE - Gaskets Included

ARM-366354



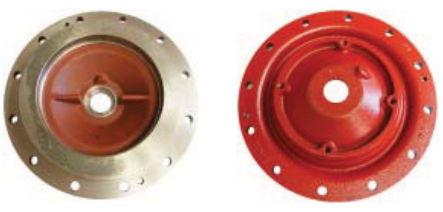
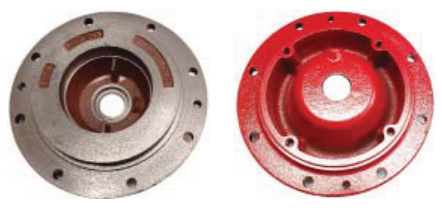
AFTERMARKET #6 SBA REPAIR MODULE
Fits 816366-041 / 818602-000K
Includes shaft, sleeve bearings felt and o-ring

BG-185337



REPAIR KIT FOR 185333LF
Includes body gasket, slinger and wave spring

ARMSTRONG / B&G

819359-002  <u>USED ON OLDER 4030 SERIES PUMPS</u> Casting #419207 Includes two keys and impeller bolt 4 holes in pump flange = 4-3/8 Total length = 10-3/4 Seal size - 1.250" - Shaft 1"	826768-000  <u>USED ON NEWER 4030 SERIES PUMPS</u> Casting #426764 Includes two keys and impeller bolt 4 holes in pump flange = 4-3/16 Total length = 10-5/8 Seal size - 1.250" - Shaft 7/8"	BG-185011  <u>Ball Bearing - Used on 1510 Series Pumps</u> Casting # P77104 Includes two keys, impeller bolt and washer 4 holes in pump flange = 4-3/8 Total length = 11" Seal size - 1.250" - Uses MS-402
BG-185260  B&G SEAL BEARING ASSEMBLY 185260LF Casting # P57281 Includes SBA, Seal Plate, Seal, Gasket and Oil Used on Series 60 "A" and PD-38 to 40	BG-186495  B&G CAST IRON COVER PLATE Casting #P49210 Used on 1510 "B" pumps Uses seal MS-402 and gasket 406604-000	BG-186482  B&G CAST IRON COVER PLATE Casting #P49210 Used on 1510 "B" pumps Uses seal MS-402 and gasket 406604-000
426746-211  ARMSTRONG 6" ADAPTER PLATE Used on new style 4280, 4380, 4382 and 4030 Uses seal 97500-982 Uses gasket 426401-002	ARM-910001  AFTERMARKET STUB SHAFT Replaces 814910-001 USED ON 4360 & OLD STYLE 4260 "B" SIZE 1/2" Diameter at Seal	AIMPELLER BOLT & WASHER  425745-001 - SS Impeller Washer 911900-114 - SS Impeller Bolt

ARMSTRONG / B&G

PUMP SHAFTS

426688-000 - 1.125" - Armstrong - 1.125" x 7.500"

316SS USED ON
older 4300 Series P-
BASE motors

426689-000 - 1.625" - Armstrong - 1.625" x 10.500"



427713-000 - 1.125" - Armstrong - 1.125" x 7.500"

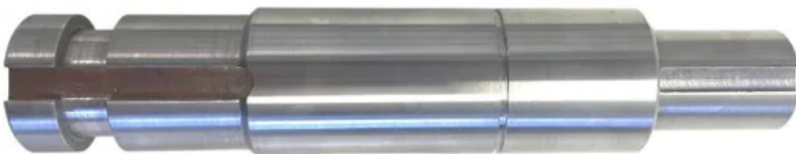
316SS USED ON
4300 Series TC
motors

427714-071 - 1.625" - Armstrong - 1.625" x 10.000"



P75212 - 1.250" - Bell & Gossett

Used on older 80 / 80SC Series pumps



P2002870 - 1.250" - Bell & Gossett

Used on newer e-80 Series pumps



COMMON SHAFT SLEEVES

PUMP TECH PART #	ID	OD - SEAL SIZE	MATERIAL	REFERENCE
SLB-1125	1.000	1.250	BRZ	425869-001
SLV-69206	1.000	1.250	SS	425869-206
SLV-185024	1.000	1.250	BRZ	BG 185024
SLV-185025	1.000	1.250	SS	BG 185025
SLV-69202	1.000	1.250	SS	425869-202
SLV-69003	1.375	1.625	BRZ	425869-003
SLV-69204	1.375	1.625	SS	425869-204
SLV-69021	1.375	1.625	BRZ	425869-021
SLV-69222	1.375	1.625	SS	810150-253
SLV-69023	1.375	1.625	BRZ	425869-023



SHAFT SPACERS

PUMP TECH PART #	ID	OD - SEAL SIZE	THICK	REFERENCE
SLV-8001	.875	1.250	.105	425868-001
SLV-8005	.875	1.250	.250	425868-005
SLV-8004	1.250	1.625	.250	425868-004



ARMSTRONG / B&G

COMMON PUMP SEALS

MS-5000  16mm Armstrong # 190120-001 Used in VMS 10 Pump Viton/Sil-Carbide/Carbon - Seat 27mm x 10mm	NEW - "E.2" SERIES CIRCULATOR PUMPS  880202-677 7/16" Shaft Size - VITON / CARBON / SIC - CUP Seat 1.187" x .285" Includes install tool & 2 Gaskets SEAL ONLY - MS-5007 
MS-5002  .500" Armstrong # 190120-000 Used in VMS 03, 05 Pumps Viton/Carbon/Sil-Carbide - Seat 23mm x 9mm	880200-877 <u>SERIES "E" SEAL KIT</u> This kit includes TWO seals for both old style Series "E" pumps. One style has a notch on the bottom of the rotary. The other does not. BOTTOM VIEW →  .250" Shaft Cup Seat .875 x .138 EPR/CARBON/SIC
MS-5003  20mm Armstrong # 190120-002 Used in VMS 18 Pump Viton/Sil-Carbide/Carbon - Seat 35mm x 9.5mm	
MS-5005  28mm Armstrong # 190120-003 Used in VMS 32, 45, 64 Pumps Viton/Carbon/Sil-Carbide - Seat 43mm x 13mm	880200-277 <u>SERIES "E" SEAL KIT</u> For pumps made BEFORE January 2010. Older seal from above kit. No notch 

ARMSTRONG / B&G

COMMON PUMP SEALS



TYPE 2 SEALS

PUMP TECH #	SHAFT SIZE	SEAT OD	SEAT THICK	ROTARY MATERIAL	SEAT MATERIAL	ELASTOMER
MS-358ECX-2	0.750	1.375	0.406	Carbon	Silicon-Carbide (SiC)	EPR
PS-976EP66X	1.250	1.765	0.365	Carbon	Silicon-Carbide (SiC)	EPR
975000-982	1.250	1.875	0.437	Carbon	Silicon-Carbide (SiC)	EPR
MS-185-2VXX	1.250	1.875	0.437	Silicon-Carbide (SiC)	Silicon-Carbide (SiC)	Viton
MS-185-2EXX	1.250	1.875	0.437	Silicon-Carbide (SiC)	Silicon-Carbide (SiC)	EPR
975000-984	1.625	2.375	0.500	Carbon	Silicon-Carbide (SiC)	EPR
MS-238-2VXX	1.625	2.375	0.500	Silicon-Carbide (SiC)	Silicon-Carbide (SiC)	Viton
MS-238-2EXX	1.625	2.375	0.500	Silicon-Carbide (SiC)	Silicon-Carbide (SiC)	EPR
MS-338-2ECX	2.125	3.000	0.562	Carbon	Silicon-Carbide (SiC)	EPR



TYPE 21 SEALS

PUMP TECH #	SHAFT SIZE	SEAT OD	SEAT THICK	ROTARY MATERIAL	SEAT MATERIAL	ELASTOMER
MS-392ECX	.500	.938	.237	Carbon	Silicon-Carbide (SiC)	EPR
MS-392EXX	.500	.938	.237	Silicon-Carbide (SiC)	Silicon-Carbide (SiC)	EPR
816706-021	.500	.938	.237	Carbon	Silicon-Carbide (SiC)	Buna
816707-001	.750	1.375	.406	Carbon	Ceramic	Buna
MS-402	1.250	1.768	.367	Carbon	Ceramic	Buna
MS-185	1.250	1.875	.437	Carbon	Ceramic	Buna



TYPE 2100 / G SEALS

PUMP TECH #	SHAFT SIZE	SEAT OD	SEAT THICK	ROTARY MATERIAL	SEAT MATERIAL	ELASTOMER
MS-3883	1.250	1.875	.437	Carbon	Ceramic	Buna
MS-6261E	1.250	1.875	.437	Carbon	Ceramic	EPR
PS-6265VXX	1.250	1.875	.437	Silicon-Carbide (SiC)	Silicon-Carbide (SiC)	Viton
MS-6262E	1.625	2.375	.500	Carbon	Ceramic	EPR
PS-4357	2.000	2.750	.500	Carbon	Silicon-Carbide (SiC)	EPR
MS-3804	2.500	3.375	.562	Carbon	Silicon-Carbide (SiC)	EPR
MS-3802	3.000	3.875	.625	Carbon	Silicon-Carbide (SiC)	EPR

****MOST SEALS AVAILABLE IN ADDITIONAL MATERIALS - PLEASE ASK!!**

ARMSTRONG / B&G

TYPE 8B2 / AB2 - TYPE RO

Type 8B2 / AB2 - Outside Seals for Armstrong 4300 Series

8B2 and AB2 seals are identical. 8B2 is a John Crane reference while AB2 is an Armstrong reference.

These seals are hydro-dynamically balanced with a multi-spring design and operate as an OUTSIDE SEAL that can be changed without dismantling the pump casing. Seats are clamp-in style with 2 GASKETS INCLUDED.



PUMP TECH #	SHAFT SIZE	ROTARY MATERIAL	SEAT MATERIAL	ELASTOMER	REFERENCE
MS-1125-8B2	1.125	Carbon	Ceramic	Viton	975000-955 / M34708
MS-1625-8B2	1.250	Carbon	Ceramic	Viton	975000-956 / M34709
MS-2125-8B2	1.250	Carbon	Ceramic	Viton	975000-957 / M34710

**NOTE - Materials

Aflas is an elastomer that has exceptional temperature limits as well as chemical resistance. Aflas is typically used for boiler-feed or steam applications above 400-450F. Antimony carbon is for high heat applications to help avoid blistering and provide greater self-lubrication.

****ANTIMONY CARBON CAN NOT BE USED IN POTABLE WATER**



PUMP TECH #	SHAFT SIZE	ROTARY MATERIAL	SEAT MATERIAL	ELASTOMER	REFERENCE
MS-1125AB2	1.125	Carbon	Silicon-Carbide (SiC)	Viton	975002-304 / A-1-1/8AB2
MS-1125AB2-ESC	1.125	Silicon-Carbide (SiC)	Silicon-Carbide (SiC)	EPR	975002-304
975002-304VG	1.125	Antimony Carbon	Silicon-Carbide (SiC)	Aflas	975002-304
MS-75202	1.250	Antimony Carbon	Silicon-Carbide (SiC)	Viton	B&G P75202
MS-75202EXX	1.250	Silicon-Carbide (SiC)	Silicon-Carbide (SiC)	EPR	B&G P75202
MS-1625AB2	1.625	Carbon	Silicon-Carbide (SiC)	Viton	975002-334 / A-1-5/8AB2
MS-1625AB2-ESC	1.625	Silicon-Carbide (SiC)	Silicon-Carbide (SiC)	EPR	975002-334
975002-334VG	1.625	Antimony Carbon	Silicon-Carbide (SiC)	Aflas	975002-334
MS-2125AB2	2.125	Carbon	Silicon-Carbide (SiC)	Viton	975002-374 / A-2-1/8AB2
975002-374VG	2.125	Antimony Carbon	Silicon-Carbide (SiC)	Aflas	975002-374

Type RO Seals

RO seals are multi-spring, balanced seals with no external retainer.

Designed by Flowserve, these seals are known for their opposite application of materials with hard faces on the rotary and carbon on the stationary seat.

USED in Bell & Gossett models 80-S, 1510-S, 1531-S, VSC-S, VSCS-S



PUMP TECH #	SHAFT SIZE	ROTARY MATERIAL	SEAT MATERIAL	ELASTOMER	REFERENCE
MS-85070	1.250	Tungsten	Carbon - ORING	Aflas	P85070
MS-185050	1.625	Tungsten	Carbon - ORING	Aflas	185050

CARBON BUSHINGS



PUMP TECH #	ROTARY MATERIAL	REFERENCE
BUSH-1125	1.125 x 1.875 x .625 Thick	Armstrong 425520-002
BUSH-1625	1.625 x 2.375 x .625 Thick	Armstrong 425520-001
BUSH-2125	2.125 x 2.875 x .625 Thick	Armstrong 425520-003
P71378	1.250 x 2.125 x .750 Thick	B & G

ARMSTRONG / B&G

CIRCULATOR PUMP MOTORS

TYPE 1	TYPE 2	TYPE 3
 <u>FRAME with BASE</u>	 <u>FRAME with BASE</u>	 <u>FRAME with BASE & Capacitor Covers</u>
TYPE 4	TYPE 5	BG
 <u>C-FLANGE - RIGID MOUNT</u>	 <u>C-FLANGE - RIDGID MOUNT w/Connection Box</u>	 <u>B&G with BASE and OIL 1/2" Shaft</u>

PUMP TECH #	HP	VOLTAGE	SHAFT SIZE	BOLT CIRCLE	IMAGE TYPE	CROSS / REF
805316-010	1/12	115	1/2	3-5/16	1	BG-111034
817025-005	1/6	115	1/2	3-5/16	1	BG-111061
817025-001	1/6	115	1/2	3-9/16	1	BG-111031
817025-007	1/4	115	1/2	3-9/16	1	BG-111040
816141-001	1/4	115	1/2	4-1/8	2	BG-169035
817025-013	1/3	115	1/2	3-9/16	1	BG-111042
816141-002	1/3	115	1/2	4-1/8	2	
811757-001	1/2	115/230	5/8	4-1/8	3	BG-111044
831009-062	1/2	115/230	5/8	4-1/8	5	811757-001
BG-111044	1/2	115/230	1/2	4-1/8	BG	
811757-002	3/4	115/230	5/8	4-1/8	3	
831010-062	3/4	115/230	5/8	4-1/8	5	
BG-111047	3/4	115/230	1/2	4-1/8	BG	
831012-083A	3/4	208-230/460	5/8	4-1/8	4	
811757-007	1	115/230	5/8	4-1/8	3	
816676-069A	1	208-230/460	5/8	4-1/8	4	

ARMSTRONG / B&G

COMPLETE PUMPS

CIRCULATOR PUMPS

Please call or e-mail for pricing and availability on complete circulator pumps

ASTRO

E.2 Series

S&H 3-Piece Circulators

4270 / 4360



COMMERCIAL PUMPS

Please call or e-mail for pricing and availability.

We need a picture of you current pump or a complete submittal including head and flow requirements

4300

4280

4380

4600

4700

4382

SUCTION GUIDES

FLO-TREX VALVES

IVS