



4700 Vertical multi-stage centrifugal pumps

VMS

Parts list

File No: 6047.110

Date: FEBRUARY 09, 2024

Supersedes: 6047.110

Date: APRIL 04, 2023

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INTRODUCTION

Armstrong was founded on the core values of Community, Service, Learning and Innovation. Reflecting our commitment to service, Armstrong now provides 360 Service and Support. Working collaboratively with the 'partner' companies in our network, we're ready to provide the service and support that customers need in relation to building performance.

A key part of serving our customers is providing Genuine Armstrong Replacement Parts to support installations of our products. But the value we provide goes beyond the quality of the replacement part.

With the availability of parts in packaged kits, you'll never have to leave a repair incomplete just because you didn't have all the pieces required for the job. And you won't have to pay a premium for rush delivery of additional parts.

Your customers will be happier, because their mechanical systems will be returned to service earlier. That means you'll be more likely to get their repeat business.

The Armstrong replacement parts program serves contractors and end customers through a combination of: Availability, Easy Selection, Easy Transactions, Quick Delivery and Technical Support.

AVAILABILITY

- Dedicated service parts inventory
- Real-time inventory information
- Active channel inventory management

EASY SELECTION

- Parts selection charts with updated descriptions, pictures and sizing details
- Illustrated part selection information
- All items within each Parts Kit are carefully selected for accurate sizing

EASE OF TRANSACTION

- Parts and Kits available in [ADEPT](#) Locator tool for local parts dealers
- Complete parts kits reduce the work to source items.
- One search and one order address a service issue

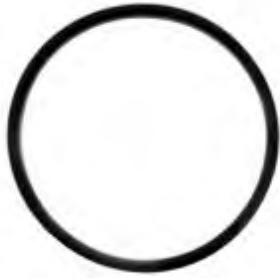
QUICK DELIVERY OF PARTS SOLUTIONS

- On-time shipment
- Options for shipping service levels
- Parts Kits include all parts and related items required to complete replacement work

SUPPORT

- Trained Armstrong support professionals
- Dedicated 24x7 service and support parts

**4700 VERTICAL MULTI-STAGE CENTRIFUGAL PUMP
(VMS01B - VMS20B)**



OUTER CASING O-RING

PUMP SIZE	QTY REQUIRED	PART NUMBER
VMS 01B	2	190100-004
VMS 03B	2	190100-004
VMS 05B	2	190100-004
VMS 10B	2	190100-005
VMS 15B	2	190100-005
VMS 20B	2	190100-005



DRAIN PLUG

PUMP SIZE	QTY REQUIRED	PART NUMBER
VMS 01B	1	190115-001
VMS 03B	1	190115-001
VMS 05B	1	190115-001
VMS 10B	1	190115-001
VMS 15B	1	190115-001
VMS 20B	1	190115-001

HYDRAULIC KIT*

PUMP SIZE	QTY REQUIRED	PART NUMBER							
		STAGE# →	1	2	3	4	5	6	7
VMS01B	1		EVMSU01-2K	EVMSU01-3K	EVMSU01-4K	EVMSU01-5K	EVMSU01-6K	EVMSU01-7K	EVMSU01-8K
VMS03B	1		EVMSU03-2K	EVMSU03-3K	EVMSU03-4K	EVMSU03-5K	EVMSU03-6K	EVMSU03-7K	EVMSU03-8K
VMS05B	1		EVMSU05-2K	EVMSU05-3K	EVMSU05-4K	EVMSU05-5K	EVMSU05-6K	EVMSU05-7K	EVMSU05-8K
VMS10B	1	EVMSU10-1K	EVMSU10-2K	EVMSU10-3K	EVMSU10-4K	EVMSU10-5K	EVMSU10-6K	EVMSU10-7K	EVMSU10-8K
VMS15B	1	EVMSU15-1K	EVMSU15-2K	EVMSU15-3K	EVMSU15-4K	EVMSU15-5K	EVMSU15-6K	EVMSU15-7K	EVMSU15-8K
VMS20B	1	EVMSU20-1K	EVMSU20-2K	EVMSU20-3K	EVMSU20-4K	EVMSU20-5K	EVMSU20-6K	EVMSU20-7K	EVMSU20-8K

PUMP SIZE	QTY REQUIRED	PART NUMBER								
		STAGE# →	9	10	11	12	13	14	15	16
VMS01B	1		EVMSU01-9K	EVMSU01-10K	EVMSU01-11K	EVMSU01-12K	EVMSU01-13K	EVMSU01-14K		EVMSU01-16K
VMS03B	1		EVMSU03-9K	EVMSU03-10K	EVMSU03-11K	EVMSU03-12K	EVMSU03-13K	EVMSU03-14K	EVMSU03-15K	EVMSU03-16K
VMS05B	1		EVMSU05-9K	EVMSU05-10K	EVMSU05-11K	EVMSU05-12K	EVMSU05-13K	EVMSU05-14K	EVMSU05-15K	EVMSU05-16K
VMS10B	1		EVMSU10-9K	EVMSU10-10K	EVMSU10-11K	EVMSU10-12K		EVMSU10-14K	EVMSU10-15K	EVMSU10-16K
VMS15B	1		EVMSU15-9K	EVMSU15-10K	EVMSU15-11K	EVMSU15-12K				
VMS20B	1		EVMSU20-9K	EVMSU20-10K						

PUMP SIZE	QTY REQUIRED	PART NUMBER								
		STAGE# →	17	18	19	20	21	22	23	24
VMS01B	1			EVMSU01-18K		EVMSU01-20K		EVMSU01-22K		EVMSU01-24K
VMS03B	1		EVMSU03-17K		EVMSU03-19K	EVMSU03-20K	EVMSU03-21K	EVMSU03-22K	EVMSU03-23K	
VMS05B	1		EVMSU05-17K	EVMSU05-18K	EVMSU05-19K					
VMS10B	1									
VMS15B	1									
VMS20B	1									

PUMP SIZE	QTY REQUIRED	PART NUMBER			
		STAGE# →	26	27	29
VMS01B	1		EVMSU01-26K	EVMSU01-27K	EVMSU01-29K
VMS03B	1				
VMS05B	1				
VMS10B	1				
VMS15B	1				
VMS20B	1				

NOTE:
*Hydraulic Kit includes: Hydraulic Assembly, (2) Outer Casing O-Rings, Shaft Pin, and Mechanical Seal

COUPLING KIT**

PUMP SIZE	QTY REQUIRED	PART NUMBER							
		STAGE# →	1	2	3	4	5	6	7
VMS01B	1		190120-051	190120-051	190120-051	190120-051	190120-051	190120-051	190120-051
VMS03B	1		190120-051	190120-051	190120-051	190120-051	190120-051	190120-051	190120-051
VMS05B	1		190120-051	190120-051	190120-051	190120-086	190120-086	190120-050	190120-050
VMS10B	1	190120-055	190120-055	190120-087	190120-056	190120-056	190120-056	190120-056	190120-056
VMS15B	1	190120-055	190120-056	190120-056	190120-053	190120-053	190120-053	190120-053	190120-054
VMS20B	1	190120-087	190120-056	190120-056	190120-053	190120-053	190120-053	190120-054	190120-054

PUMP SIZE	QTY REQUIRED	PART NUMBER							
		STAGE# →	9	10	11	12	13	14	15
VMS01B	1	190120-051	190120-051	190120-051	190120-051	190120-051	190120-051		190120-051
VMS03B	1	190120-051	190120-051	190120-086	190120-086	190120-086	190120-086	190120-050	190120-050
VMS05B	1	190120-050	190120-050	190120-050	190120-052	190120-052	190120-052	190120-052	190120-052
VMS10B	1	190120-056	190120-053	190120-053	190120-053		190120-053	190120-053	190120-053
VMS15B	1	190120-054	190120-054	190120-054	190120-054				
VMS20B	1	190120-054	190120-054						

PUMP SIZE	QTY REQUIRED	PART NUMBER								
		STAGE# →	17	18	19	20	21	22	23	24
VMS01B	1		190120-051			190120-051		190120-086		190120-086
VMS03B	1	190120-050		190120-050	190120-050	190120-050	190120-050	190120-050	190120-050	
VMS05B	1	190120-052	190120-052	190120-052						
VMS10B	1									
VMS15B	1									
VMS20B	1									

PUMP SIZE	QTY REQUIRED	PART NUMBER		
		STAGE# →	26	27
VMS01B	1	190120-086	190120-086	190120-086
VMS03B	1			
VMS05B	1			
VMS10B	1			
VMS15B	1			
VMS20B	1			

NOTE:

**Coupling Kit includes Coupling, Motor Shaft Key, Shaft Pin, and Coupling Nuts, Bolts, and Washers

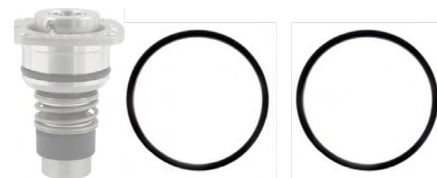
MECHANICAL SEAL

PUMP SIZE	STAGE	PART NUMBER	DESCRIPTION
VMS 01B	2 to 18	190120-010	VMS-B MECH SEAL SER 1,3,5
	20 to 29	190120-011	VMS-B MECH SEAL SER 1,3,5
VMS 03B	2 to 15	190120-010	VMS-B MECH SEAL SER 1,3,5
	16 to 23	190120-011	VMS-B MECH SEAL SER 1,3,5
VMS 05B	2 to 12	190120-010	VMS-B MECH SEAL SER 1,3,5
	13 to 19	190120-011	VMS-B MECH SEAL SER 1,3,5
VMS 10B	1 to 10	190120-012	VMS-B MECH SEAL SER 10,15
	11 to 16	190120-013	VMS-B MECH SEAL SER 10,15
VMS 15B	1 to 7	190120-012	VMS-B MECH SEAL SER 10,15
	8 to 12	190120-013	VMS-B MECH SEAL SER 10,15
VMS 20B	1 to 6	190120-012	VMS-B MECH SEAL SER 10,15
	7 to 10	190120-013	VMS-B MECH SEAL SER 10,15



MECHANICAL SEAL KIT

PUMP SIZE	STAGE	PART NUMBER	DESCRIPTION
VMS 01B	2 to 18	190120-078	KIT-VMS-B MECH SEAL SER 1,3,5
	20 to 29	190120-079	KIT-VMS-B MECH SEAL SER 1,3,5
VMS 03B	2 to 15	190120-078	KIT-VMS-B MECH SEAL SER 1,3,5
	16 to 23	190120-079	KIT-VMS-B MECH SEAL SER 1,3,5
VMS 05B	2 to 12	190120-078	KIT-VMS-B MECH SEAL SER 1,3,5
	13 to 19	190120-079	KIT-VMS-B MECH SEAL SER 1,3,5
VMS 10B	1 to 10	190120-080	KIT-VMS-B MECH SEAL 10,15 & 20
	11 to 16	190120-081	KIT-VMS-B MECH SEAL 10,15 & 20
VMS 15B	1 to 7	190120-080	KIT-VMS-B MECH SEAL 10,15 & 20
	8 to 12	190120-081	KIT-VMS-B MECH SEAL 10,15 & 20
VMS 20B	1 to 6	190120-080	KIT-VMS-B MECH SEAL 10,15 & 20
	7 to 10	190120-081	KIT-VMS-B MECH SEAL 10,15 & 20



NOTE:
***Seal kit including mechanical seal,(2) outer casing O-rings

COUPLING GUARD KIT

PUMP SIZE	STAGE	PART NUMBER	DESCRIPTION
VMS 01B	2 to 29	190120-061	KIT-COUPLING GRD VMS 01,03&05B
	2 to 14	190120-061	KIT-COUPLING GRD VMS 01,03&05B
VMS 03B	15 to 23	190120-062	KIT-COUPLING GRD VMS 03B & 05B
	2 to 6	190120-061	KIT-COUPLING GRD VMS 01,03&05B
VMS 05B	07 to 19	190120-062	KIT-COUPLING GRD VMS 03B & 05B
	1 to 3	190120-063	KIT-COUPLING GRD VMS 10,15&20B
VMS 10B	4 to 16	190120-064	KIT-COUPLING GRD VMS 10,15&20B
	1	190120-063	KIT-COUPLING GRD VMS 10,15&20B
VMS 15B	2 to 10	190120-064	KIT-COUPLING GRD VMS 10,15&20B
	11 to 12	190120-065	KIT-COUPLING GRD VMS 15B & 20B
VMS 20B	1	190120-063	KIT-COUPLING GRD VMS 10,15&20B
	2 to 8	190120-064	KIT-COUPLING GRD VMS 10,15&20B
	9 to 10	190120-065	KIT-COUPLING GRD VMS 15B & 20B

NOTE:
Coupling Guard Kit includes (2) Coupling Guards plus (4) Screws Note-(Includes Number of Reduced Impellers)

**4700 VERTICAL MULTI-STAGE CENTRIFUGAL PUMP
(VMS 32B, VMS 45B & VMS 64B)**

VENT PLUG

PUMP SIZE	PART NUMBER
VMS 32B	190115-102
VMS 45B	190115-102
VMS 64B	190115-102



DRAIN PLUG

PUMP SIZE	PART NUMBER
VMS 32B	190115-101
VMS 45B	190115-101
VMS 64B	190115-101

MECHANICAL SEAL

PUMP SIZE	STAGE	PART NUMBER	DESCRIPTION
VMS 32B VMS 45B VMS 64B	VMS32-1-1 to 5B, VMS45-1-1 to 4B, VMS64-1-1 to 3B	190120-350	MECHANICAL SEAL VMS(32,45,64)B
VMS 32B VMS 45B VMS 64B	VMS32-6-2 to 8-2B, VMS45-5-2 to 6B, VMS64-4-2 to 4B	190120-351	MECHANICAL SEAL VMS(32,45,64)B
VMS 32B VMS 45B	VMS32-8B to 10, VMS45-7-2 to 7B	190120-352	MECHANICAL SEAL VMS(32,45)B



COUPLING KIT

PUMP SIZE	STAGE	PART NUMBER	DESCRIPTION
VMS 32B	1-1 to 2-1	190120-150	COUPLING KIT VMS 32B
VMS 32B VMS 45B VMS 64B	VMS32-2-2B to 4-2B, VMS45-1-1B to 2-1B, VMS64-1-1B TO 4-2B	190120-151	COUPLING KIT VMS(32,45,64)B
VMS 32B VMS 45B VMS 64B	VMS32-4B to 5B, VMS45-2B to 3-2B, VMS64-2-1B	190120-152	COUPLING KIT VMS(32,45,64)B
VMS 32B VMS 45B VMS 64B	VMS32-6-2B to 8-2B, VMS45-3-1B to 4-2B, VMS64-2B to 3B	190120-153	COUPLING KIT VMS(32,45,64)B
VMS 32B VMS 45B	VMS32-8B to 10B, VMS45-4-1B to 5-1B	190120-053	COUPLING KIT VMS(10 to 45)B
VMS 45B VMS 64B	VMS45-5B to 7B, VMS64-4B	190120-154	COUPLING KIT VMS(45,64)B

INCLUDES:

Coupling, Motor Shaft Key, Shaft Pin,
Coupling Nuts & Bolts

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COUPLING GUARD

PUMP SIZE	STAGE	PART NUMBER	DESCRIPTION
VMS 32B VMS 45B VMS 64B	VMS32-1-1B to 5B, VMS45-1-1B to 2B, VMS64-1-1B to 2B	190120-250	COUP. GUARD KIT VMS(32,45,64)B
VMS 32B VMS 45B VMS 64B	VMS32-6-2B to 10B, VMS45-3-2B to 5-2B, VMS64-2-1B to 4-2B	190120-251	COUP. GUARD KIT VMS(32,45,64)B
VMS 45B VMS 64B	VMS45-5B to 7B, VMS64-4B	190120-253	COUP. GUARD KIT VMS(32,45,64)B

INCLUDES:
 (2) Coupling Guards, (4) Screws

OLD STYLE VMS PUMPS (WITHOUT B) MODELS

VMS 3, VMS 5, VMS 10 & VMS 18

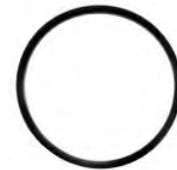
MECHANICAL SEAL

PUMP SIZE	STAGE#	PART NUMBER	DESCRIPTION
VMS 3 & 5	ALL	190120-000	VMS 03&05 MECHANICAL SEAL KIT
VMS 10	ALL	190120-001	VMS 10 MECHANICAL SEAL KIT
VMS 18	ALL	190120-002	VMS 18 MECHANICAL SEAL KIT



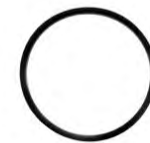
INTERMEDIATE CASING O-RING

PUMP SIZE	STAGE#	PART NUMBER	DESCRIPTION	QTY REQUIRED
VMS 3 & 5	ALL	190110-000	ORING INTER CASING VMS03 & 05	3 PER STAGE
VMS 10 & 18	ALL	190110-001	ORING INTER CASING VMS10 & 18	1 PER STAGE



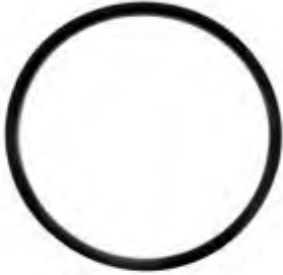
OUTER CASING O-RING

PUMP SIZE	STAGE#	PART NUMBER	DESCRIPTION	QTY REQUIRED
VMS 3 & 5	ALL	190100-000	ORING OUTER CASING VMS03 & 05	2
VMS 10 & 18	ALL	190100-001	ORING OUTER CASING VMS10 & 18	2



NOTE: Parts and Quantity may vary per VMS. for more information, please consult Armstrong before ordering parts
 Image may be a representation. See specification for details.

VMS 32, VMS 45 & VMS 64



OUTER CASING O-RING

PUMP SIZE	QTY REQUIRED	PART NUMBER
VMS 32	2	190100-002
VMS 45	2	190100-003
VMS 64		



PRIMING PLUG

PUMP SIZE	PART NUMBER
VMS 32	190115-000
VMS 45	190115-000
VMS 64	190115-000

HYDRAULIC KIT

PUMP SIZE	STAGE#	PART NUMBER	DESCRIPTION	QTY REQUIRED
VMS 32	1	8EVMUG32-1K	Hydraulic kit vms32-1	1
	2-2	8EVMUG32-2-2K	Hydraulic kit vms32-2-2	
	3-2	8EVMUG32-3-2K	Hydraulic kit vms32-3-2	
	3	8EVMUG32-3K	Hydraulic kit vms32-3	
	4-3	8EVMUG32-4-3K	Hydraulic kit vms32-4-3	
	5	8EVMUG32-5K	Hydraulic kit vms32-5	
	6	8EVMUG32-6K	Hydraulic kit vms32-6	
	7	8EVMUG32-7K	Hydraulic kit vms32-7	
	8-3	8EVMUG32-8-3K	Hydraulic kit vms32-8-3	
	9	8EVMUG32-9K	Hydraulic kit vms32-9	
	10-1	8EVMUG32-10-1K	Hydraulic kit vms32-10-1	
VMS 45	1-1	8EVMUG45-1-1K	Hydraulic kit vms45-1-1	1
	1	8EVMUG45-1K	Hydraulic kit vms45-1	
	2-1	8EVMUG45-2-1K	Hydraulic kit vms45-2-1	
	3-2	8EVMUG45-3-2K	Hydraulic kit vms45-3-2	
	3	8EVMUG45-3K	Hydraulic kit vms45-3	
	4-1	8EVMUG45-4-1K	Hydraulic kit vms45-4-1	
	5	8EVMUG45-5K	Hydraulic kit vms45-5	
	6	8EVMUG45-6K	Hydraulic kit vms45-6	
7-2	8EVMUG45-7-2K	Hydraulic kit vms45-7-2		
VMS 64	1-1	8EVMUG64-1-1K	Hydraulic kit vms64-1-1	1
	1	8EVMUG64-1K	Hydraulic kit vms64-1	
	2-1	8EVMUG64-2-1K	Hydraulic kit vms64-2-1	
	2	8EVMUG64-2K	Hydraulic kit vms64-2	
	3-2	8EVMUG64-3-2K	Hydraulic kit vms64-3-2	
	3	8EVMUG64-3K	Hydraulic kit vms64-3	
	4-2	8EVMUG64-4-2K	Hydraulic kit vms64-4-2	
	4	8EVMUG64-4K	Hydraulic kit vms64-4	

NOTE:*Hydraulic Kit Includes, Hydraulic assembly, mechanical seal, (2) outer casing o-rings

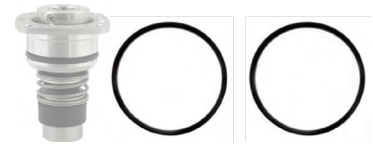
MECHANICAL SEAL

PUMP SIZE	STAGE#	PART NUMBER	DESCRIPTION
VMS 32	1 to 8 (includes number of reduced impellers)	190120-003	VMS 32,45,65 MECH SEAL KIT
VMS 32	9 & 10-1	190120-004	VMS 3209 to 3210-1 MECH SEAL K
VMS 45	1-1 to 7-2	190120-003	VMS 32,45,65 MECH SEAL KIT
VMS 64	1-1 to 4	190120-003	VMS 32,45,65 MECH SEAL KIT



MECHANICAL SEAL KIT

PUMP SIZE	STAGE#	PART NUMBER	DESCRIPTION
VMS 32	1 to 8 (includes number of reduced impellers)	190120-082	KIT-VMS-B MECH SEAL 32 (1 to 8)
VMS 32	9 & 10-1	190120-083	KIT-VMS-B MECH SEAL 32 (9 to 10)
VMS 45	1-1 to 7-2	190120-084	KIT-VMS-B MECH SEAL 45 & 64
VMS 64	1-1 to 4	190120-084	KIT-VMS-B MECH SEAL 45 & 64



NOTE: (Includes Number of Reduced Impellers)

Seal kit includes Mechanical Seal,(2) Outer casing o-rings

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FRANKFURT

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COUPLING GUARD

PUMP SIZE	STAGE#	PART NUMBER	DESCRIPTION
VMS 32	1, 2-2, 3-2	190120-066	COUPLING GUARD-VMS-32,45&64B
	3 to 10-1	190120-067	COUPLING GUARD-VMS-32,45&64B
VMS 45	1-1, 1	190120-066	COUPLING GUARD-VMS-32,45&64B
	2-1 to 7-2	190120-067	COUPLING GUARD-VMS-32,45&64B
VMS 64	1-1	190120-066	COUPLING GUARD-VMS-32,45&64B
	1 to 4	190120-067	COUPLING GUARD-VMS-32,45&64B