

Genuine Metaris V Series Cartridge Kits

Durable, Reliable and Totally Interchangeable



If it's Cartridge Kits You're Looking For...

We manufacture and stock a full-line of industrial, mobile & high pressure vane pump cartridge kits. Compatible with our MV and MVQ series pumps and other similar designed pumps in the market, such as Vickers® V and VQ series components. Metaris cartridge kits are high in performance, durability and reliability. We also offer a wide range of components including shafts, rotors, vanes, seals & bearings.

Our parts are not only directly interchangeable in performance and installation with the OEM units, but also offer a significant price and lead time advantage. Not to mention, our extensive inventories assure you prompt shipping to any place in the world.

- Industrial, Mobile & High Pressure Kits available
- Significant price & lead time advantage
- 20V/VQ - 5/8/9/11/12/14 gpm
- 25V/VQ - 12/14/17/19/21 gpm
- 30V/VQ - 24/28 gpm
- 35V/VQ - 21/25/30/35/38 gpm
- 45V/VQ - 42/47/50/57/60 gpm
- Series V10/V20/ V2010/ V2020/ VTM42
- High Pressure kits available for 35V/VQH - 35/38 gpm and 45V/VQH - 50/57/60 gpm
- Interchange with V/VQ Series components



V Series Replacement Cartridge Kits

20V SERIES

Part Number	Description	Vickers #
MPN000901	20V05 gpm	102507
MPN000902	20V05 gpm - Viton	102507
MPN000903	20V08 gpm	102508
MPN000904	20V08 gpm - Viton	102508
MPN000905	20V11 gpm	102509
MPN000906	20V11 gpm - Viton	102509
MPN000907	20V12 gpm	102510
MPN000908	20V12 gpm - Viton	102510
MPN000909	20V14 gpm	102511
MPN000910	20V14 gpm - Viton	102511

*Rotation must be specified when ordering
 *Also available without bushing

20V Series Specifications	6 lbs	5	8	11	12	14
Displacement	Cu.in./rev.	1.0	1.5	2.1	2.3	2.7
	(cc/rev.)	(16)	(25)	(35)	(38)	(44)
Max. Pressure	Cont. psi	3000	3000	3000	2500	2200
	(Bar)	(206)	(206)	(206)	(172)	(138)
Min. Speed	Below 1000 psi	600	600	600	600	600
	Above 1000 psi	1000	1000	1000	1000	1000
Max. Speed	RPM	1800	1800	1800	1800	1800
Typical Flow at Max. Speed & Pressure	GPM	7	11	13	16	20
	(Liters/Min)	(27)	(43)	(50)	(59)	(74)
Typical Flow at Max. Speed & Pressure	HP	13	21	29	26	25
	(Kw)	(10)	(16)	(22)	(19)	(17)

25V SERIES

Part Number	Description	Vickers #
MPN000911	25V12 gpm	102532
MPN000912	25V12 gpm - Viton	102532
MPN000915	25V14 gpm	102533
MPN000916	25V14 gpm - Viton	102533
MPN000919	25V17 gpm	102534
MPN000920	25V17 gpm - Viton	102534
MPN000923	25V21 gpm	102535
MPN000924	25V21 gpm - Viton	102535

*Rotation must be specified when ordering
 *Also available without bushing

25V Series Specifications	8 lbs	12	14	17	21
Displacement	Cu.in./rev.	2.3	2.7	3.3	4.0
	(cc/rev.)	(38)	(44)	(54)	(66)
Max. Pressure	Cont. psi	2500	2500	2500	2500
	(Bar)	(172)	(172)	(172)	(172)
Min. Speed	Below 1000 psi	600	600	600	600
	Above 1000 psi	1000	1000	1000	1000
Max. Speed	RPM	1800	1800	1800	1800
Typical Flow at Max. Speed & Pressure	GPM	14	17	23	27
	(Liters/Min)	(54)	(64)	(87)	(101)
Typical Flow at Max. Speed & Pressure	HP	26	31	37	46
	(Kw)	(19)	(23)	(28)	(34)

V SERIES COMPONENTS

Bearings

Series	Part #	Vickers #
20V Std.	MPN001500	98574
25V Std.	MPN001501	1705
26V HD.	MPN001502	232750
35V Std.	MPN001504	38441
36V HD.	MPN039778	239092
45V Std.	MPN001503	131812

Rotors

Series	Part #	Vickers #
25V	MPN000989	584618
35V	MPN000990	575478
45V	MPN000991	578000

Vane Kits

Series	Part #	Vickers #
25V	MPN000980	941214
35V	MPN000981	941019
45V	MPN000982	941049

35V SERIES

Part Number	Description	Vickers #
MPN000927	35V25 gpm	102552
MPN000928	35V25 gpm - Viton	102552
MPN000931	35V30 gpm	102553
MPN000932	35V30 gpm - Viton	102553
MPN000935	35V35 gpm	102554
MPN000936	35V35 gpm - Viton	102554
MPN000939	35V38 gpm	102555
MPN000940	35V38 gpm - Viton	102555

*Rotation must be specified when ordering

*Also available without bushing

35V Series Specifications	14 lbs	25	30	35	38
Displacement	Cu.in./rev.	4.8	5.8	6.7	7.3
	(cc/rev.)	(79)	(95)	(110)	(120)
Max. Pressure	Cont. psi	2500	2500	2500	2500
	(Bar)	(172)	(172)	(172)	(172)
Min. Speed	Below 1000 psi	600	600	600	600
	Above 1000 psi	1000	1000	1000	1000
Max. Speed	RPM	1800	1800	1800	1800
	Typical Flow at Max. Speed & Pressure	GPM	32	40	48
(Liters/Min)		(121)	(151)	(182)	(193)
Typical Flow at Max. Speed & Pressure	HP	55	66	77	83
	(Kw)	(41)	(49)	(57)	(62)

45V SERIES

Part Number	Description	Vickers #
MPN000945	45V42 gpm	102572
MPN000925	45V42 gpm - Viton	102576
MPN000947	45V50gpm	102574
MPN000948	45V50 gpm - Viton	102577
MPN000949	45V60 gpm	102575
MPN000950	45V60 gpm - Viton	102578

*Rotation must be specified when ordering

*Also available without bushing

45V Series Specifications	22 lbs	42	50	60
Displacement	Cu.in./rev.	8.1	9.6	11.6
	(cc/rev.)	(132)	(158)	(189)
Max. Pressure	Cont. psi	2500	2500	2500
	(Bar)	(172)	(172)	(172)
Min. Speed	Below 1000 psi	600	600	600
	Above 1000 psi	1000	1000	1000
Max. Speed	RPM	1800	1800	1800
	Typical Flow at Max. Speed & Pressure	GPM	56	67
(Liters/Min)		(211)	(254)	(314)
Typical Flow at Max. Speed & Pressure	HP	92	109	131
	(Kw)	(69)	(81)	(98)

Cam Rings

Series	Part #	Vickers #
25V12	MPN001100	584610
25V14	MPN001101	584612
25V17	MPN001102	584614
25V21	MPN001103	584616
35V25	MPN001105	576210
35V30	MPN001106	576212

Series	Part #	Vickers #
35V35	MPN001107	576214
35V38	MPN001108	575476
45V42	MPN001110	581679
45V50	MPN001112	581680
45V60	MPN001114	578904

V10 Cam Rings

Series	Part #	Vickers #
V10 #1	MPN000494	317674
V10 #2	MPN000996	317675
V10 #3	MPN043375	317676
V10 #4	MPN000998	317677
V10 #5	MPN000999	317678
V10 #6	MPN001000	355641
V10 #7	MPN001001	331813

V SERIES COMPONENTS CONT.

Seal Kits

Series	Part #	Description	Vickers #
25V/30V	MPN002800	Standard Seal Kit	922850
	MPN002801	Seal Kit - Viton	919656
35V	MPN002802	Standard Seal Kit	922851
	MPN002803	Seal Kit - Viton	919262
45V	MPN002805	Standard Seal Kit	919850
	MPN002806	Seal Kit - Viton	919632
2520V	MPN002808	Standard Seal Kit	922856
	MPN002809	Seal Kit - Viton	919303
3520V	MPN002810	Standard Seal Kit	922859
	MPN002811	Seal Kit - Viton	919304
3525V	MPN002812	Standard Seal Kit	922862
	MPN002813	Seal Kit - Viton	919305
4520V	MPN002814	Standard Seal Kit	922863
	MPN002815	Seal Kit - Viton	919616

Shaft Seals

Series	Part #	Description	Vickers #
V10	MPN002012	Shaft Seal - Buna	263585
	MPN002014	Shaft Seal - Viton	388205
V20	MPN002001	Shaft Seal - Buna	229235
	MPN002013	Shaft Seal - Viton	279499
25V/VQ	MPN098765	Primary - Buna	394976
	MPN002004	Primary - Viton	429286
35V/VQ	MPN002005	Secondary - Viton	429283
	MPN002006	Primary - Buna	394973
45V/VQ	MPN002007	Primary - Viton	429284
	MPN002008	Secondary - Viton	429281
MPN098764	MPN098764	Primary - Buna	394974
	MPN002010	Primary - Viton	429285
MPN002011	MPN002011	Secondary - Viton	429282

*Note: All double seal kits include primary & secondary shaft seals.

Products We Offer

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- Servo Motors
- Orbital Motors
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- Flow Control Valves
- Pressure Control Valves
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- Check Valves
- Stack Valves
- Servo Valves
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