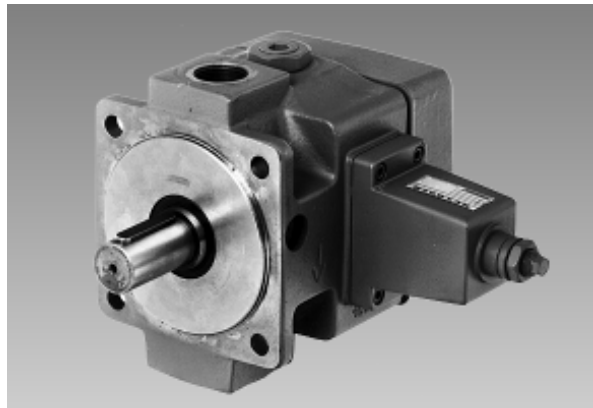


MANNESMANN REXROTH	Direct operated vane pump, variable volume Model V3 (Series 3X and 4X)			RA 10 436/03.95 Replaces: 04.91
	Sizes 12 to 63	...1450 PSI (100 bar)	...0.52 to 2.87 in ³ (8.5 to 47 cm ³)	

- Very short control times
- Low operating noise level
- Sleeve bearings provide long life
- Hydrodynamically lubricated internal wear areas
- Max. volume adjustment
- Integral automatic air bleed



K 3460/7
Model 1 PV2 V3-3X/40 RW12 MC100 A1/5

**Phased Out
For Reference Only**
**Please consider RA 10 515;
PV7... Vane Pump**

Ordering Code

1	PV 2	V3	-	/		R	W	12	M	C		A	1	/	5	*
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Series
 Sizes 40 and 63 = 3X*
 Series 30 to 39
 Sizes 12 and 25 = 4X*
 Series 40 to 49
 (30 to 39 Δ installation and connection dim. unchanged)
 (40 to 49 Δ installation and connection dim. unchanged)

Size (size)
 0.52 in³ (8.5 cm³) = size 12 = 12
 1.16 in³ (19 cm³) = size 25 = 25
 1.95 in³ (32 cm³) = size 40 = 40
 2.87 in³ (47 cm³) = size 63 = 63

Rotation direction
 clockwise (view onto drive shaft) = R

Shaft
 Single pump = W
 Combination pump, front = E
 Combination pump, back (gear-toothed) = G

Connection ports
 Suction and pressure port = 01
 BSP thread to ISO 228/1
 SAE straight threaded ports = 12

Ordering examples: 1PV2 V3-4X/12 RA01 MS 63 A1 or
 1PV2 V3-3X/63 RA01 MC 100 A1

***Typical stock:** 1PV2 V3-XX/... RW12MC ... A1/5
 Note: For pump mounting brackets, see RA 45 525

Further details in clear text
 5 = USA Version
 1 = Bleed valve
Volume adjustment
 A = Square sided screw
Compensator Adjustment Range
 25 = 175 to 365 PSI (12 to 25 bar)
 40 = 290 to 580 PSI (20 to 40 bar)
 63 = 435 to 915 PSI (30 to 63 bar)
 100 = 725 to 1450 PSI (50 to 100 bar)
Compensator adjustment
 C = Set screw
 S = Set screw, lockable
Seals
 M = Buna - seals, suitable for Mineral oil HLP to DIN 51 524 part 2
 V = FPM seals, suitable for Phosphate ester (HFD-R)

Mannesmann Rexroth Corporation
 Rexroth Hydraulics Div., Industrial, 2315 City Line Road, Bethlehem, PA 18017-2131 Tel. (610) 694-8300 Fax: (610) 694-8467
 Rexroth Hydraulics Div., Mobile, 1700 Old Mansfield Road, Wooster, OH 44691-0394 Tel. (330) 263-3400 Fax: (330) 263-3333

