

ORDERING CODE FRAME SIZE 4

P V **R 1 K 1 T 1 N**

axial piston
pump
variable
displace-
ment

size and
displacement

rotation

mounting
interface

through
drive
code

seals

control

see next page

Code	Displacement	Size
140	140 cm ³ /rev	4
180	180 cm ³ /rev	4

Code	Seals	Shaft seal
N	NBR	FKM
V	FKM	FKM
W	NBR	PTFE

Code	Rotation ¹⁾
R	Clockwise
L	Counter clockwise

¹⁾ When looked on shaft

Code	Variation
1	Standard
4	Electronic displacement sensor (CIP) ²⁾
5	CIP-Sensor & Spec. adjustment ³⁾ (4 & 9)
9	Special adjustment ³⁾

²⁾ not for horse power control, mandatory
with FDV/UD*

³⁾ requires Kxxx number

Code	Mounting interface	Shaft
K	metr. ISO 3019/2	4-hole flange Ø160 mm Cylindric, key
L		4-hole flange Ø160 mm Splined, DIN 5480
D		4-hole flange SAE D Cylindric, key, SAE F
E	SAE ISO 3019/1	4-hole flange SAE D Splined, SAE F, SAE D
F		4-hole flange SAE D Cylindric, key, SAE D
G		4-hole flange SAE D Splined, SAE D

Code	Port ⁴⁾	Threads ⁵⁾
1	BSPP	metric
3	UNF	UNC
4 ⁶⁾	BSPP	metr. M14
8 ⁷⁾	ISO 6149	metric

Code	Coupling for through drive	as single part ⁸⁾
1	Single pump, no coupling	
H	with coupling 25 x 1.5 x 15, DIN 5480	MK-PVBG4K01
J	with coupling 32 x 1.5 x 20, DIN 5480	MK-PVBG4K02
K	with coupling 40 x 1.5 x 25, DIN 5480	MK-PVBG4K03
L	with coupling 50 x 2 x 24, DIN 5480	MK-PVBG4K04
Y	with coupling SAE A 9T-16/32 DP	MK-PVBG4K11
A	with coupling SAE 11T-16/32 DP	MK-PVBG4K12
B	with coupling SAE B 13T-16/32 DP	MK-PVBG4K13
C	with coupling SAE B-B 15T-16/32 DP	MK-PVBG4K14
D	with coupling SAE C 14T-12/24 DP	MK-PVBG4K15
E	with coupling SAE C-C 17T-12/24 DP	MK-PVBG4K16
F	with coupling SAE D, E 13T-8/16 DP	MK-PVBG4K17
G	with coupling SAE F 15T-8/16 DP	MK-PVBG4K18

Code	Through drive option
	No adaptor for 2nd pump
T	Single pump prepared for through drive
	with adaptor for 2nd pump
	as single part ⁸⁾
A	SAE A-2, Ø 82.55 mm
B	SAE B-2/4, Ø 101.6 mm
C	SAE C-2/4, Ø 127.0 mm
D	SAE D-4, Ø 152.4 mm
J	metric, Ø 100 mm
K	metric, Ø 125 mm
L	metric, Ø 160 mm

See dimensions for details

⁸⁾ to be ordered separately as single part
see page 65.

⁴⁾ Drain and flushing ports

⁵⁾ All mounting and connecting threads

⁶⁾ Pressure port 1 1/4" with 4 x M14 instead of 4 x M12

⁷⁾ Mounting interface, code K and L only

Standard pump is not painted. Black painted pump and ATEX (excludes electronic components) certification (Zone 2) is available as special option. For additional informations please contact Parker Hannifin.

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Code			Control options
0	0	1	No control
1	0	0	With cover plate, no control function (fixed displacement pump)
M	M		Standard pressure control
M	R		Remote pressure control
M	F		Load Sensing (flow) control
M	T		Two spool LS control
Control variation			
	C		Standard version, integrated pilot valve ¹⁾
	1		NG6 interface top side for pilot valves ¹⁾
	2		Remote pressure port int. supply, NG6 interface ²⁾
	3		Remote pressure port ext. supply ²⁾
	W		With unloading function, 24VDC solenoid ¹⁾
	K		Prop.-pilot valve type PVACRE...K35 mounted
	Z		Without integrated pilot valve, NG6 interface, for mounting of accessory code PVAC*
	B		Without integrated pilot valve, without NG6 interface ³⁾
	P		MTZ with mounted pilot valve PVAC1P ²⁾
	F		Prop.-pilot valve PVACRE*35T with OBE mounted, command signal 0 - 10V
	R		Prop.-pilot valve PVACRE*35T with OBE mounted, command signal 4 - 20 mA

¹⁾ not for MT & *Z

²⁾ only for MT & *Z

³⁾ not for MT & MM

Horse power / Torque control			
Code			
		Nominal HP at 1.500 rpm	Nominal torque
K		18.5 kW	120 Nm
M		22 kW	142 Nm
S		30 kW	195 Nm
T		37 kW	240 Nm
U		45 kW	290 Nm
W		55 kW	355 Nm
Y		75 kW	485 Nm
Z		90 kW	585 Nm
2		110 kW	700 Nm
Function			
L		Horse power control with pressure control ⁴⁾	
C		Horse power control with load sensing (single spool)	
Z		Horse power control with two spool LS control	
Control variation			
	C	Standard version, integrated pilot valve ¹⁾	
	1	NG 6 interface top side	
	W	With unloading function, 24 VDC solenoid	
	K	Prop.-pilot valve type PVACRE...K35 mounted	
	Z	Without integrated pilot valve, NG6 interface, for mounting of accessory code PVAC* ⁴⁾	
	B	Without integrated pilot valve, without NG6 interface ^{1), 4)}	
	P	*ZZ with mounted pilot valve PVAC1P ²⁾	
	F	Prop.-pilot valve PVACRE*35T with OBE mounted, command signal 0 - 10V	
	R	Prop.-pilot valve PVACRE*35T with OBE mounted, command signal 4 - 20 mA	

⁴⁾ control variation Z and B without pressure pilot

Code			Control option
			Electro hydraulic control ⁵⁾
F	D	V	Proportional displacement control, no pressure compensation
U	D		Proportional displacement control, with pressure compensation
Control variation			
	R		pilot operated pressure control, open NG6 interface
	K		pilot operated pressure control, proportional pilot valve type PVACRE...K35 mounted
	M		pilot operated pressure control, pressure sensor and proportional pilot valve type PVACRE...K35 mounted for pressure control and/or power control

⁵⁾ further info in MSG30-3254