

ORDERING CODE FRAME SIZE 4

P	V				R	1	K	1	T	1	N			
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axial piston
pump
variable
displace-
ment

size and
displacement

rotation

variation

mounting
interface

threads
code

through
drive
code

coupling
code

seals

control

see next page →

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

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 Kxxxx 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

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

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

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	MK-PVBG4Axx
B	SAE B-2/4, Ø 101.6 mm	MK-PVBG4Bxx
C	SAE C-2/4, Ø 127.0 mm	MK-PVBG4Cxx
D	SAE D-4, Ø 152.4 mm	MK-PVBG4Dxx
J	metric, Ø 100 mm	MK-PVBG4Jxx
K	metric, Ø 125 mm	MK-PVBG4Kxx
L	metric. Ø 160 mm	MK-PVBG4Lxx

See dimensions for details

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

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