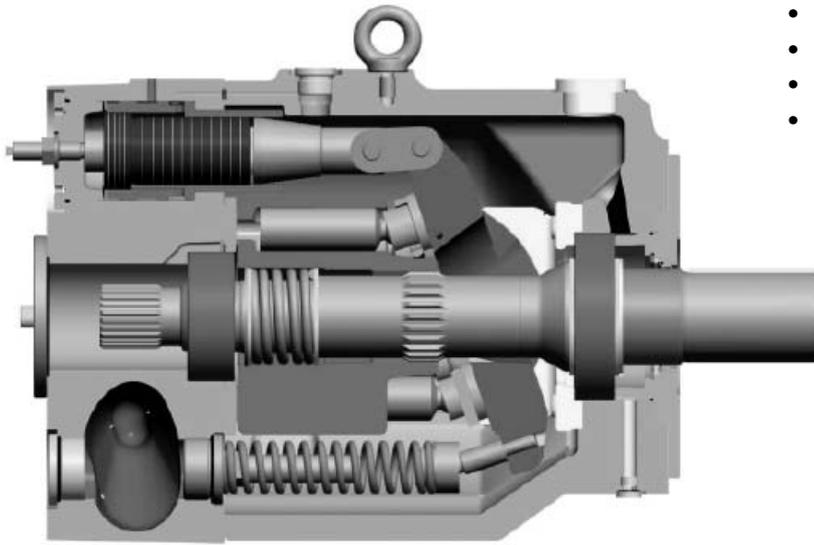


With thru drive for single and multiple pumps

Swash plate type for open circuit

**Technical Features**

- Low noise level
- Fast response
- Service-friendly
- High self-priming speed
- Compact design
- Thru drive for 100% nominal torque

General Information**Fluid recommendations**

Premium quality hydraulic mineral fluid is recommended, like HLP oils to DIN 51524, part 2. Bruggen- value has to be 30 N/mm² minimum for general application and 50 N/mm² for heavily loaded hydraulic equipment and fast cycling machines and/or high dynamic loads, measured in accordance with DIN 51 347-2. See also Document HY30-3248/UK Parker Hydraulic Fluids.

Viscosity

The normal operating viscosity should range between 16 and 100 mm²/s (cSt). Max. start-up viscosity is 800 mm²/s (cSt).

Filtration

For maximum pump and system component functionality and life, the system should be protected from contamination by effective filtration.

Fluid cleanliness should be in accordance with ISO classification ISO 4406:1999. The quality of filter elements should be in accordance with ISO standards. General hydraulic systems for satisfactory operation: Class 20/18/15, according to ISO 4406:1999

Recommended cleanliness for maximum component life and functionality: Class 18/16/13, according to ISO 4406:1999

Seals

Check hydraulic fluid specification for chemical resistance of seal material.

Check temperature range of seal material and compare with max. system and ambient temperature.

N – Nitrile (FKM shaft seal)	-25...+90 °C
B – Nitrile (NBR shaft seal)	-40...+90 °C
V – FKM (FKM shaft seal)	-25...+115 °C
W – Nitrile (PTFE shaft seal)	-30...+90 °C
P – FKM (PTFE shaft seal)	-25...+115 °C

Note: The highest fluid temperature will be at the drain port of the pump, up to 25 °C higher than in the reservoir.

		PV016	PV020	PV023	PV028	PV032	PV040	PV046
Frame size		1	1	1	1	2	2	2
Max. Displacement	[cm ³ /rev.]	16	20	23	28	32	40	46
Output flow at 1500 rpm	[l/min]	24	30	34,5	42	48	60	69
Nominal pressure pN	[bar]	350	350	350	350	350	350	350
Min. outlet pressure	[bar]	15	15	15	15	15	15	15
Max. pressure pmax at 20% working cycle ¹⁾	[bar]	420	420	420	420	420	420	420
Case drain pressure, continuous	[bar]	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Case drain pressure, max. peak	[bar]	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Min. Inlet pressure, abs.	[bar]	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Max. Inlet pressure	[bar]	16	16	16	16	16	16	16
Input power at 1500 rpm and 350 bar	[kW]	15.5	19.5	22.5	27.5	31	39	45
Max speed at 1 bar, abs, inlet pressure	[rpm]	3000	3000	3000	3000	2800	2800	2800
Min. speed	[rpm]	400	400	400	400	400	400	400
Moment of inertia	[kgm ²]	0.0017	0.0017	0.0017	0.0017	0.0043	0.0043	0.0043
Weight	[kg]	19	19	19	19	30	30	30

		PV063	PV080	PV092	PV140	PV180	PV270	PV360
Frame size		3	3	3	4	4	5	6
Max. Displacement	[cm ³ /rev.]	63	80	92	140	180	270	360
Output flow at 1500 rpm	[l/min]	94.5	120	138	210	270	405	540
Nominal pressure pN	[bar]	350	350	350	350	350	350	350
Min. outlet pressure	[bar]	15	15	15	15	15	15	15
Max. pressure pmax at 20% working cycle ¹⁾	[bar]	420	420	420	420	420	420	420
Case drain pressure, continuous	[bar]	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Case drain pressure, max. peak	[bar]	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Min. Inlet pressure, abs.	[bar]	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Max. Inlet pressure	[bar]	16	16	16	16	16	16	16
Input power at 1500 rpm and 350 bar	[kW]	61.5	78	89.5	136	175	263	350
Max speed at 1 bar, abs, inlet pressure	[rpm]	2800	2500	2300	2400	2200	1800	1750
Min. speed	[rpm]	400	400	400	400	400	400	400
Moment of inertia	[kgm ²]	0.018	0.018	0.018	0.030	0.030	0.098	0.103
Weight	[kg]	59	59	59	90	90	172	180

1) Special control options required.



axial piston pump variable displacement

size and displacement

rotation

variation

mounting interface

threads code

thru drive code

coupling code

seals

control

see next page →

Code	Displacement	Size
016	16 cm ³ /rev	1
020	20 cm ³ /rev	1
023	23 cm ³ /rev	1
028	28 cm ³ /rev	1

Code	Rotation ¹⁾
R	Clockwise
L	Counter clockwise

¹⁾ When looked on shaft

Code	Variation
1	Standard
2	Electronic displacement sensor ²⁾
9	Special adjustment ³⁾

²⁾ not for horse power control

³⁾ requires Kxxxx number

Code	Mounting interface	Shaft
K	metr. ISO 4-hole flange Ø100 mm	Cylindric, key
L	3019/2 4-hole flange Ø100 mm	Splined, DIN 5480
D	SAE ISO 4-hole flange SAE B	Cylindric, key
E	3019/1 4-hole flange SAE B-B	Splined, SAE

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

⁴⁾ Drain, gage and flushing ports

⁵⁾ All mounting and connecting threads

⁶⁾ Mounting interface, code K and L only

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

Code	Coupling for thru drive	as single part ⁷⁾
1	Single pump, no coupling	
H	with coupling 25 x 1.5 x 15, DIN 5480	MK-PVBG1K01
Y	with coupling SAE A 9T-16/32 DP	MK-PVBG1K11
A	with coupling SAE - 11T-16/32 DP	MK-PVBG1K12
B	with coupling SAE B 13T-16/32 DP	MK-PVBG1K13
C	with coupling SAE B-B 15T-16/32 DP	MK-PVBG1K14

Code	Thru drive option	
	No adaptor for 2nd pump	
T	Single pump prepared for thru drive	
	with adaptor for 2nd pump as single part ⁷⁾	
Y	SAE AA, Ø 50.8 mm	MK-PVBG1Yxx
A	SAE A, Ø 82.55 mm	MK-PVBG1Axx
B	SAE B, Ø 101.6 mm	MK-PVBG1Bxx
G	metric, Ø 63 mm	MK-PVBG1Gxx
H	metric, Ø 80 mm	MK-PVBG1Hxx
J	metric, Ø 100 mm	MK-PVBG1Jxx

See dimensions for details

⁷⁾ to be ordered separately as single part see page 61.

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

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, integrated pilot valve
M	R	Remote pressure control, integrated pilot valve
M	F	Load Sensing (flow) control, integrated pilot valve
M	T	Two spool LS control
Control variation		
		C Standard version ¹⁾
		1 NG6 interface top side for pilot valves
		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..35 mounted
		Z Without integrated pilot valve, NG6 interface, for mounting of accessory code PVAC*
		B Without integrated pilot valve, without NG6 interface ³⁾
		P MT1 with mounted pilot valve PVAC1P ²⁾

1) not for MT
 2) only for MT
 3) not for MT & MM

Horse power / Torque control					
Displacem.	Code			Nominal HP at 1.500 rpm	Nominal torque
016 028					
		B		3 kW	20 Nm
		C		4 kW	25 Nm
		D		5.5 kW	35 Nm
		E		7.5 kW	50 Nm
		G		11 kW	71 Nm
		H		15 kW	97 Nm
		K		18.5 kW	120 Nm
Function					
			L	Horse power control with pressure control ⁴⁾	
			C	Horse power control with load sensing (single spool)	
Control variation					
			C	Standard version	
			1	NG 6 interface top side	
			W	With unloading function, 24 VDC solenoid	
			K	Prop.-pilot valve type PVACRE..35 mounted	
			Z	Without integrated pilot valve, NG6 interface, for mounting of accessory code PVAC* ⁴⁾	
			B	Without integrated pilot valve, without NG6 interface ⁴⁾	

4) control variation Z and B without pressure control

Code		Control option
Electro hydraulic control		
F	P	V Proportional displacement control, no pressure compensation
U	P	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..35 mounted
		M pilot operated pressure control, pressure sensor and proportional pilot valve type PVACRE..35 mounted for pressure control and/or power control



axial piston pump variable displacement

size and displacement

rotation

variation

mounting interface

threads code

thru drive code

coupling code

seals

control

see next page →

Code	Displacement	Size
032	32 cm ³ /rev	2
040	40 cm ³ /rev	2
046	46 cm ³ /rev	2

Code	Rotation ¹⁾
R	Clockwise
L	Counter clockwise

¹⁾ When looked on shaft

Code	Variation
1	Standard
2	Electronic displacement sensor ²⁾
9	Special adjustment ³⁾

²⁾ not for horse power control

³⁾ requires Kxxxx number

Code	Mounting interface		Shaft
K	metr. ISO	4-hole flange Ø125 mm	Cylindric, key
L	3019/2	4-hole flange Ø125 mm	Splined, DIN 5480
D	SAE ISO	4-hole flange SAE C	Cylindric, key
E	3019/1	4-hole flange SAE C	Splined, SAE

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

⁴⁾ Drain, gage and flushing ports

⁵⁾ All mounting and connecting threads

⁶⁾ Mounting interface, code K and L only

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

Code	Coupling for thru drive	as single part ⁷⁾
1	Single pump, no coupling	
H	with coupling 25 x 1.5 x 15, DIN 5480	MK-PVBG2K01
J	with coupling 32 x 1.5 x 20, DIN 5480	MK-PVBG2K02
Y	with coupling SAE A 9T-16/32 DP	MK-PVBG2K11
A	with coupling SAE - 11T-16/32 DP	MK-PVBG2K12
B	with coupling SAE B 13T-16/32 DP	MK-PVBG2K13
C	with coupling SAE B-B 15T-16/32 DP	MK-PVBG2K14
D	with coupling SAE C 14T-12/24 DP	MK-PVBG2K15

Code	Thru drive option	
	No adaptor for 2nd pump	
T	Single pump prepared for thru drive	
	with adaptor for 2nd pump	as single part ⁶⁾
A	SAE A, Ø 82.55 mm	MK-PVBG2Axx
B	SAE B, Ø 101.6 mm	MK-PVBG2Bxx
C	SAE C, Ø 127 mm	MK-PVBG2Cxx
G	metric, Ø 63 mm	MK-PVBG2Gxx
H	metric, Ø 80 mm	MK-PVBG2Hxx
J	metric, Ø 100 mm	MK-PVBG2Jxx
K	metric, Ø 125 mm	MK-PVBG2Kxx

See dimensions for details

⁷⁾ to be ordered separately as single part see page 61.

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

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, integrated pilot valve
M	R	Remote pressure control, integrated pilot valve
M	F	Load Sensing (flow) control, integrated pilot valve
M	T	Two spool LS control
Control variation		
		C Standard version ¹⁾
		1 NG6 interface top side for pilot valves
		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..35 mounted
		Z Without integrated pilot valve, NG6 interface, for mounting of accessory code PVAC*
		B Without integrated pilot valve, without NG6 interface ³⁾
		P MT1 with mounted pilot valve PVAC1P ²⁾

1) not for MT
 2) only for MT
 3) not for MT & MM

Horse power / Torque control				
Displacem.	Code			
032 046				
				Nominal HP at 1.500 rpm
				Nominal torque
		D		5.5 kW
		E		7.5 kW
		G		11 kW
		H		15 kW
		K		18.5 kW
		M		22 kW
		S		30 kW
				35 Nm
				50 Nm
				71 Nm
				97 Nm
				120 Nm
				142 Nm
				195 Nm
Function				
		L		Horse power control with pressure control ⁴⁾
		C		Horse power control with load sensing (single spool)
Control variation				
			C	Standard version
			1	NG 6 interface top side
			W	With unloading function, 24 VDC solenoid
			K	Prop.-pilot valve type PVACRE..35 mounted
			Z	Without integrated pilot valve, NG6 interface, for mounting of accessory code PVAC* ⁴⁾
			B	Without integrated pilot valve, without NG6 interface ⁴⁾

4) control variation Z and B without pressure control

Code		Control option
Electro hydraulic control		
F	P	V Proportional displacement control, no pressure compensation
U	P	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..35 mounted
		M pilot operated pressure control, pressure sensor and proportional pilot valve type PVACRE..35 mounted for pressure control and/or power control



axial piston pump variable displacement high pressure version

size and displacement

Code	Displacement	Size
063	63 cm ³ /rev	3
080	80 cm ³ /rev	3
092	92 cm ³ /rev	3

Code	Rotation ¹⁾
R	Clockwise
L	Counter clockwise

¹⁾ When looked on shaft

Code	Variation
1	Standard
2	Electronic displacement sensor ²⁾
9	Special adjustment ³⁾

²⁾ not for horse power control
³⁾ requires Kxxxx number

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

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

⁴⁾ Drain, gage and flushing ports
⁵⁾ All mounting and connecting threads
⁶⁾ For PV063-PV092 only: pressure port 1 1/4" with 4 x M14 instead of 4 x M12

rotation

variation

mounting interface

threads code

thru drive code

coupling code

seals

compensator

see next page →

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

Code	Coupling for thru drive	as single part ⁷⁾
1	Single pump, no coupling	
H	with coupling 25 x 1.5 x 15, DIN 5480	MK-PVBG3K01
J	with coupling 32 x 1.5 x 20, DIN 5480	MK-PVBG3K02
K	with coupling 40 x 1.5 x 25, DIN 5480	MK-PVBG3K03
Y	with coupling SAE A 9T-16/32 DP	MK-PVBG3K11
A	with coupling SAE - 11T-16/32 DP	MK-PVBG3K12
B	with coupling SAE B 13T-16/32 DP	MK-PVBG3K13
C	with coupling SAE B-B 15T-16/32 DP	MK-PVBG3K14
D	with coupling SAE C 14T-12/24 DP	MK-PVBG3K15
E	with coupling SAE C-C 17T-12/24 DP	MK-PVBG3K16
F	with coupling SAE D, E 13T-8/16 DP	MK-PVBG3K17

Code	Thru drive option	
	No adaptor for 2nd pump	
T	Single pump prepared for thru drive	
	with adaptor for 2nd pump	as single part ⁷⁾
A	SAE A, Ø 82.55 mm	MK-PVBG3Axx
B	SAE B, Ø 101.6 mm	MK-PVBG3Bxx
C	SAE C, Ø 127 mm	MK-PVBG3Cxx
D	SAE D, Ø 152.4 mm	MK-PVBG3Dxx
G	metric, Ø 63 mm	MK-PVBG3Gxx
H	metric, Ø 80 mm	MK-PVBG3Hxx
J	metric, Ø 100 mm	MK-PVBG3Jxx
K	metric, Ø 125 mm	MK-PVBG3Kxx
L	metric, Ø 160 mm	MK-PVBG3Lxx

See dimensions for details
⁷⁾ to be ordered separately as single part see page 61.

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

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, integrated pilot valve
M	R		Remote pressure control, integrated pilot valve
M	F		Load Sensing (flow) control, integrated pilot valve
M	T		Two spool LS control
			Control variation
		C	Standard version ¹⁾
		1	NG6 interface top side for pilot valves
		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..35 mounted
		Z	Without integrated pilot valve, NG6 interface, for mounting of accessory code PVAC*
		B	Without integrated pilot valve, without NG6 interface ³⁾
		P	MT1 with mounted pilot valve PVAC1P ²⁾

1) not for MT
 2) only for MT
 3) not for MT & MM

Horse power / Torque control					
Displacem.	Code			Nominal HP at 1.500 rpm	Nominal torque
063 092					
		G		11 kW	71 Nm
		H		15 kW	97 Nm
		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
Function					
		L		Horse power control with pressure control ⁴⁾	
		C		Horse power control with load sensing (single spool)	
Control variation					
			C	Standard version	
			1	NG 6 interface top side	
			W	With unloading function, 24 VDC solenoid	
			K	Prop.-pilot valve type PVACRE..35 mounted	
			Z	Without integrated pilot valve, NG6 interface, for mounting of accessory code PVAC* ⁴⁾	
			B	Without integrated pilot valve, without NG6 interface ⁴⁾	

4) control variation Z and B without pressure control

Code			Control option
Electro hydraulic control			
F	P	V	Proportional displacement control, no pressure compensation
U	P		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..35 mounted
		M	pilot operated pressure control, pressure sensor and proportional pilot valve type PVACRE..35 mounted for pressure control and/or power control



axial piston pump variable displacement rotation mounting interface thru drive code seals control
 size and displacement variation threads code coupling code

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
2	Electronic displacement sensor ²⁾
9	Special adjustment ³⁾

²⁾ not for horse power control

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	SAE ISO 3019/1	4-hole flange SAE D Cylindric, key
E		4-hole flange SAE D-F Splined, SAE
F		4-hole flange SAE D Cylindric, key
G		4-hole flange SAE D Splined, SAE

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

⁴⁾ Drain, gage 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
P	FKM	PTFE
B	NBR	NBR

Code	Coupling for thru 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	Thru drive option	
	No adaptor for 2nd pump	
T	Single pump prepared for thru drive	
	with adaptor for 2nd pump as single part ⁸⁾	
A	SAE A, Ø 82.55 mm	MK-PVBG4Axx
B	SAE B, Ø 101.6 mm	MK-PVBG4Bxx
C	SAE C, Ø 127 mm	MK-PVBG4Cxx
D	SAE D, Ø 152.4 mm	MK-PVBG4Dxx
H	metric, Ø 80 mm	MK-PVBG4Hxx
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 61.

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

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, integrated pilot valve
M	R	Remote pressure control, integrated pilot valve
M	F	Load Sensing (flow) control, integrated pilot valve
M	T	Two spool LS control
Control variation		
		C Standard version ¹⁾
		1 NG6 interface top side for pilot valves
		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..35 mounted
		Z Without integrated pilot valve, NG6 interface, for mounting of accessory code PVAC*
		B Without integrated pilot valve, without NG6 interface ³⁾
		P MT1 with mounted pilot valve PVAC1P ²⁾

1) not for MT
 2) only for MT
 3) not for MT & MM

Horse power / Torque control					
Displacem.		Code		Nominal HP at 1.500 rpm	Nominal torque
140	180				
		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	715 Nm
Function					
		L		Horse power control with pressure control ⁴⁾	
		C		Horse power control with load sensing (single spool)	
Control variation					
			C	Standard version	
			1	NG 6 interface top side	
			W	With unloading function, 24 VDC solenoid	
			K	Prop.-pilot valve type PVACRE..35 mounted	
			Z	Without integrated pilot valve, NG6 interface, for mounting of accessory code PVAC* ⁴⁾	
			B	Without integrated pilot valve, without NG6 interface ⁴⁾	

4) control variation Z and B without pressure control

Code		Control option
Electro hydraulic control		
F	P	V Proportional displacement control, no pressure compensation
U	P	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..35 mounted
		M pilot operated pressure control, pressure sensor and proportional pilot valve type PVACRE..35 mounted for pressure control and/or power control



P axial piston pump
V variable displacement
 high pressure version

[blank] size and displacement

Code	Displacement	Size
270	270 cm ³ /rev	5

Code	Rotation ¹⁾
R	Clockwise
L	Counter clockwise

¹⁾ When looked on shaft

Code	Variation
1	Standard
2	Electronic displacement sensor ²⁾
9	Special adjustment ³⁾

²⁾ not for horse power control
³⁾ requires Kxxxx number

Code	Mounting interface		Shaft
K	metr. ISO	4-hole flange Ø200 mm	Cylindric, key
L	3019/2	4-hole flange Ø200 mm	Splined, DIN 5480
D	SAE ISO	4-hole flange SAE E	Cylindric, key
E	3019/1	4-hole flange SAE E-F	Splined, SAE

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

⁴⁾ Drain, gage and flushing ports
⁵⁾ All mounting and connecting threads

R rotation
1 variation
K mounting interface
1 threads code

T thru drive code
1 coupling code

N seals
[blank] compensator

see next page →

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

Code	Coupling for thru drive	as single part ⁶⁾
1	Single pump, no coupling	
H	with coupling 25 x 1.5 x 15, DIN 5480	MK-PVBG5K01
J	with coupling 32 x 1.5 x 20, DIN 5480	MK-PVBG5K02
K	with coupling 40 x 1.5 x 25, DIN 5480	MK-PVBG5K03
L	with coupling 50 x 2 x 24, DIN 5480	MK-PVBG5K04
M	with coupling 60 x 2 x 28, DIN 5480	MK-PVBG5K05
Y	with coupling SAE A 9T-16/32 DP	MK-PVBG5K11
A	with coupling SAE - 11T-16/32 DP	MK-PVBG5K12
B	with coupling SAE B 13T-16/32 DP	MK-PVBG5K13
C	with coupling SAE B-B 15T-16/32 DP	MK-PVBG5K14
D	with coupling SAE C 14T-12/24 DP	MK-PVBG5K15
E	with coupling SAE C-C 17T-12/24 DP	MK-PVBG5K16
F	with coupling SAE D, E 13T-8/16 DP	MK-PVBG5K17
G	with coupling SAE F 15T-8/16 DP	MK-PVBG5K18

Code	Thru drive option	
	No adaptor for 2nd pump	
T	Single pump prepared for thru drive	
	with adaptor for 2nd pump	as single part ⁶⁾
A	SAE A, Ø 82.55 mm	MK-PVBG5Axx
B	SAE B, Ø 101.6 mm	MK-PVBG5Bxx
C	SAE C, Ø 127 mm	MK-PVBG5Cxx
D	SAE D, Ø 152.4 mm	MK-PVBG5Dxx
E	SAE E, Ø 165.1 mm	MK-PVBG5Exx
H	metric, Ø 80 mm	MK-PVBG5Hxx
J	metric, Ø 100 mm	MK-PVBG5Jxx
K	metric, Ø 125 mm	MK-PVBG5Kxx
L	metric, Ø 160 mm	MK-PVBG5Lxx
M	metric, Ø 200 mm	MK-PVBG5Mxx

See dimensions for details
⁶⁾ to be ordered separately as single part
 see page 61.

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

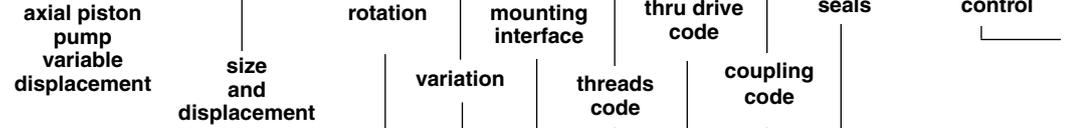
Code		Control options
0	0	1 No control
1	0	0 With cover plate, no control function (fixed displacement pump)
M	M	Standard pressure control, integrated pilot valve
M	R	Remote pressure control, integrated pilot valve
M	F	Load Sensing (flow) control, integrated pilot valve
M	T	Two spool LS control
Control variation		
		C Standard version ¹⁾
		1 NG6 interface top side for pilot valves
		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..35 mounted
		Z Without integrated pilot valve, NG6 interface, for mounting of accessory code PVAC*
		B Without integrated pilot valve, without NG6 interface ³⁾
		P MT1 with mounted pilot valve PVAC1P ²⁾

1) not for MT
 2) only for MT
 3) not for MT & MM

Horse power / Torque control					
Displacem.		Code		Nominal HP at 1.500 rpm	Nominal torque
270					
		T		37 kW	240 Nm
		U		45 kW	290 Nm
		W		55 kW	350 Nm
		Y		75 kW	480 Nm
		Z		90 kW	580 Nm
		2		110 kW	700 Nm
		3		132 kW	840 Nm
Function					
		L		Horse power control with pressure control ⁴⁾	
		C		Horse power control with load sensing (single spool)	
Control variation					
			C	Standard version	
			1	NG 6 interface top side	
			W	With unloading function, 24 VDC solenoid	
			K	Prop.-pilot valve type PVACRE..35 mounted	
			Z	Without integrated pilot valve, NG6 interface, for mounting of accessory code PVAC* ⁴⁾	
			B	Without integrated pilot valve, without NG6 interface ⁴⁾	

4) control variation Z and B without pressure control

Code		Control option
Electro hydraulic control		
F	P	V Proportional displacement control, no pressure compensation
U	P	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..35 mounted
		M pilot operated pressure control, pressure sensor and proportional pilot valve type PVACRE..35 mounted for pressure control and/or power control



Code	Displacement	Size
360	360 cm ³ /rev	6

Code	Rotation ¹⁾
R	Clockwise

¹⁾ When looked on shaft

Code	Variation
1	Standard
2	Electronic displacement sensor ²⁾
9	Special adjustment ³⁾

²⁾ not for horse power control
³⁾ requires Kxxxx number

Code	Mounting interface	Shaft
K	4-hole flange Ø250 mm	Cylindric, key
L	metr. ISO 3019/2 4-hole flange Ø250 mm	Splined, DIN 5480
R	4-hole flange Ø224 mm	Cylindric, key
T	4-hole flange Ø224 mm	Splined, DIN 5480
D	SAE ISO 3019/1 4-hole flange SAE E	Cylindric, key
E	4-hole flange SAE E	Splined, DIN 5480

Code	Port ⁴⁾	Threads ⁵⁾
1	BSPP	metric
3	UNF	UNC

⁴⁾ Drain, gage and flushing ports
⁵⁾ All mounting and connecting threads

Code	Seals	Shaft seal
N	NBR	FKM
V	FKM	FKM

Code	Coupling for thru drive	as single part ⁶⁾
1	Single pump, no coupling	
H	with coupling 25 x 1.5 x 15, DIN 5480	MK-PVBG5K01
J	with coupling 32 x 1.5 x 20, DIN 5480	MK-PVBG5K02
K	with coupling 40 x 1.5 x 25, DIN 5480	MK-PVBG5K03
L	with coupling 50 x 2 x 24, DIN 5480	MK-PVBG5K04
M	with coupling 60 x 2 x 28, DIN 5480	MK-PVBG5K05
P	with coupling 70 x 3 x 22, DIN 5480	MK-PVBG5K06
Y	with coupling SAE A 9T-16/32 DP	MK-PVBG5K11
A	with coupling SAE - 11T-16/32 DP	MK-PVBG5K12
B	with coupling SAE B 13T-16/32 DP	MK-PVBG5K13
C	with coupling SAE B-B 15T-16/32 DP	MK-PVBG5K14
D	with coupling SAE C 14T-12/24 DP	MK-PVBG5K15
E	with coupling SAE C-C 17T-12/24 DP	MK-PVBG5K16
F	with coupling SAE D, E 13T-8/16 DP	MK-PVBG5K17
G	with coupling SAE F 15T-8/16 DP	MK-PVBG5K18

Code	Thru drive option	
	No adaptor for 2nd pump	
T	Single pump prepared for thru drive	
	with adaptor for 2nd pump	
	as single part ⁶⁾	
A	SAE A, Ø 82.55 mm	MK-PVBG5Axx
B	SAE B, Ø 101.6 mm	MK-PVBG5Bxx
C	SAE C, Ø 127 mm	MK-PVBG5Cxx
D	SAE D, Ø 152.4 mm	MK-PVBG5Dxx
E	SAE E, Ø 165.1 mm	MK-PVBG5Exx
H	metric, Ø 80 mm	MK-PVBG5Hxx
J	metric, Ø 100 mm	MK-PVBG5Jxx
K	metric, Ø 125 mm	MK-PVBG5Kxx
L	metric, Ø 160 mm	MK-PVBG5Lxx
M	metric, Ø 200 mm	MK-PVBG5Mxx

See dimensions for details

⁶⁾ to be ordered separately as single part see page 61.

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

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, integrated pilot valve
M	R		Remote pressure control, integrated pilot valve
M	F		Load Sensing (flow) control, integrated pilot valve
M	T		Two spool LS control
			Control variation
		C	Standard version ¹⁾
		1	NG6 interface top side for pilot valves
		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..35 mounted
		Z	Without integrated pilot valve, NG6 interface, for mounting of accessory code PVAC*
		B	Without integrated pilot valve, without NG6 interface ³⁾
		P	MT1 with mounted pilot valve PVAC1P ²⁾

1) not for MT
 2) only for MT
 3) not for MT & MM

Horse power / Torque control					
Displacem.	Code				
360				Nominal HP at 1.500 rpm	
				Nominal torque	
		U		45 kW	290 Nm
		W		55 kW	350 Nm
		Y		75 kW	480 Nm
		Z		90 kW	580 Nm
		2		110 kW	700 Nm
		3		132 kW	840 Nm
		4		160 kW	1020 Nm
		5		180 kW	1150 Nm
	5		200 kW	1280 Nm	
Function					
		L	Horse power control with pressure control ⁴⁾		
		C	Horse power control with load sensing (single spool)		
Control variation					
		C	Standard version		
		1	NG 6 interface top side		
		W	With unloading function, 24 VDC solenoid		
		K	Prop.-pilot valve type PVACRE..35 mounted		
		Z	Without integrated pilot valve, NG6 interface, for mounting of accessory code PVAC* ⁴⁾		
		B	Without integrated pilot valve, without NG6 interface ⁴⁾		

4) control variation Z and B without pressure control

Code			Control option
Electro hydraulic control			
F	P	V	Proportional displacement control, no pressure compensation
U	P		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..35 mounted
		M	pilot operated pressure control, pressure sensor and proportional pilot valve type PVACRE..35 mounted for pressure control and/or power control