

Radial Piston Pump

Model PR4

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Sizes 0.10 to 1.22 in³

Component series 3X

Max. operating pressure 1,015 PSI

- Self-priming, valve-controlled
- 11 sizes available for optimum pump selection
- Long service life due to hydro-dynamically lubricated sliding bearings
- Several pressure ports with various cylinder combinations



Ordering Code

PR 4 - 3X / R

Type of device = PR

Series = 4

Component series

Component series 30 to 39 = 3X
(30 to 39: unchanged installation and connection dimensions)

Component size

Component size - pressure stage (maximum)

0.09 in ³	(3)	= 1.60-700
0.13 in ³	(3)	= 2.00-700
0.16 in ³	(3)	= 2.50-700
0.22 in ³	(5)	= 3.15-700
0.26 in ³	(5)	= 4.00-700
0.44 in ³	(10)	= 6.30-700 ¹
0.53 in ³	(10)	= 8.00-700 ²
0.21 in ³	(3)	= 3.15-500
0.29 in ³	(3)	= 5.00-500
0.36 in ³	(3)	= 6.30-500
0.49 in ³	(5)	= 8.00-500
0.59 in ³	(5)	= 10.00-500
0.98 in ³	(10)	= 16.00-500 ¹
1.19 in ³	(10)	= 20.00-500 ²

Direction of rotation

Clockwise rotation = R

¹not available with shaft end (versions "G" and "K")

²not available with shaft end (version "K")

Further details in clear text

Number of pressure ports

Code	Number of pressure ports	Combination of cylinders		
		Radial piston pump with		
		3 pistons	5 pistons	10 pistons
01 =	1	3	5	10
02 =	2	1+2		5+5
03 =	3	1+1+1		
08 =	5		1+1+1+1+1	2+2+2+2+2
11 =	6			2+2+2+2+1+1
12 =	10			10x1

Seal material

NBR seals

FKM seals

M =

V =

Line connection

BSP thread to ISO 228/1

SAE thread to ANSI B1.1

01 =

12 =

Shaft version

Cylindrical shaft end

Serrated shaft 21x24 to DIN 5481

Cylindrical shaft with output

for mounting an AZPF or AZFF

A =

G =

K =

Technical data

Speed range	rpm	1000 to 2000	
Operating pressure	Inlet	PSIA 11.6 to 36.3 absolute	
	Cylinder I.D.	in	Ø 0.39 Ø 0.59
	Outlet	PSI	1,015 7252
Max. torque (drive shaft)	lb-ft	118	
Shaft loading		Radial and axial forces cannot be absorbed	
Mounting style		Face mounting	
Connection ports		Screw-in fittings	
Direction of rotation		clockwise (viewed to shaft end)	
Pressure fluid		HLP mineral oil to DIN 51524 part 2	
Fluid temperature range	°F	14 ... 158	
Viscosity range	SUS	46 ... 927	
Weight	lbs.	3 pistons	10 pistons
		20.3	36.1
		27.3	

