



CORE PRODUCTS MOBILE RANGE

Motion Systems Group Europe

Revision April 2026



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WHAT PARKER CORE PRODUCTS ARE – AND HOW THEY DIFFER FROM THE TRADITIONAL PARKER RANGE

Parker is renowned for high-performance solutions designed for demanding applications. These products are the perfect choice when your customer's machine or plant requires top-tier performance.

Core Products are fit-for-purpose technologies for heavy and medium-duty applications, offering strong availability with competitive lead times and compelling value – while delivering the Parker quality customers expect.

- They are built with the same high-quality systems, engineering standards, and reliability expectations, which all Parker products are known for.
- However, they are engineered around the performance requirements of mainstream industrial and mobile machinery – not around extreme edge cases.
- Cost optimization is achieved through clever engineering, smart manufacturing and sourcing while keeping Parker quality standards.
- Importantly, Parker Core Products are planned and produced with volume in mind, which results in competitive lead times and higher plant flexibility to support various customers demand.

Finally, Core Products are backed by Parker's best-in-market distribution network, delivering local support and fast, reliable service where you need it.



If you have questions about the products contained in this brochure, or their applications, please contact:
Parker Hannifin EMEA Sàrl European Headquarters
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CORE PRODUCT RANGE

ACTUATORS AND CYLINDERS

Rotary Actuators



Linear Actuators & Cylinders



THERMAL MANAGEMENT

Coolers



MOTORS, DRIVES AND CONTROLLERS

Electric Vehicle Motors



Controllers



HMI, Operator Panels and Touchscreens



Mobile Inverter



Controller Devices and Accessories



Hydraulic Motors



Bent Axis Motors



Gear Motors



Vane Motors

FOR MOBILE MARKETS

PUMPS

Hydraulic Pumps



Bent Axis Pumps



Gear Pumps



Piston Pumps



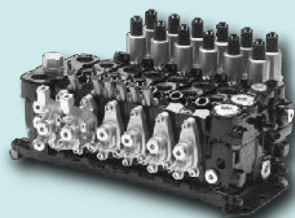
Vane Pumps

VALVES

Hydraulic Valves

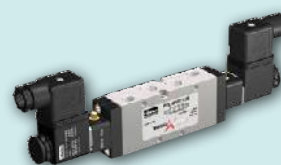


Cartridge Valves



Directional Control
Valves

Pneumatic Valves



Directional Control
Valves

AIR PREPARATION

Air Preparation FRL & Dryers



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ROTARY ACTUATORS

Helical Hydraulic Rotary Actuator – Helac Series PTNG

Helac PowerTilt tilting couplers enhance productivity by over 50 % and eliminate the need for extra machines in tight spaces or uneven terrain. They allow bucket positioning up to 180 degrees without moving the entire machine. Ideal for site development, underground utilities, or ditch clearing, PowerTilt® supports multiple attachments and offers durability and performance.

Using Helac's sliding-spline technology, it converts linear piston motion into powerful shaft rotation. Available in nine sizes for equipment up to 50,000 kg, each model is customized to fit specific machinery classes.

Technical Specifications

Rotation Angle:	120 to 180°
Weight:	26 to 411 kg
Operating Pressure:	207 bar
Torque Rating:	Drive: 930 to 44300 Nm, Brake: 2470 to 111800 Nm



Ordering Information

No ordering code for PTNG

Model Number	Order Code
PTA-4.5	without foot kit 74961-P041
PTA-4.5	with foot kit 74960-P041
PTA-030	72890-P041
PTA-050	72690-P041
PTA-070	73090-P041
PTA-100	73170-P041

Leadtime:
5 working days despatch.

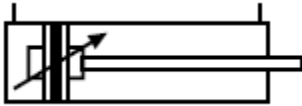


Product page

PNEUMATIC CYLINDERS

ISO 15552 Pneumatic Cylinders – Series P1F

The P1F Series in bore sizes Ø32 to 125 mm is an ISO 15552 pneumatic cylinder suitable for standard, low & high temperatures. With various piston rod materials and wiper/rod sealing options for a wide range of applications. Strokes up to 2500 mm.



Technical Specifications

- Maximum operating pressure: 10 bar
- Temperature range -20 °C to +80 °C
- Bores 32 - 125 mm
- Strokes 1 - 2500 mm
- Adjustable cushioning
- Stainless piston rod
- Optional ISO 15552 mountings & optional sensors

Ordering Information

Stroke (mm)	Ø32 mm bore: G1/8 Ports	Ø40 mm bore: G1/4 Ports	Ø50 mm bore: G1/4 Ports	Ø63 mm bore: G3/8 Ports
25	P1F-S032MS-0025-0000	P1F-S040MS-0025-0000	P1F-S050MS-0025-0000	P1F-S063MS-0025-0000
40	P1F-S032MS-0040-0000	P1F-S040MS-0040-0000	P1F-S050MS-0040-0000	P1F-S063MS-0040-0000
50	P1F-S032MS-0050-0000	P1F-S040MS-0050-0000	P1F-S050MS-0050-0000	P1F-S063MS-0050-0000
80	P1F-S032MS-0080-0000	P1F-S040MS-0080-0000	P1F-S050MS-0080-0000	P1F-S063MS-0080-0000
100	P1F-S032MS-0100-0000	P1F-S040MS-0100-0000	P1F-S050MS-0100-0000	P1F-S063MS-0100-0000
125	P1F-S032MS-0125-0000	P1F-S040MS-0125-0000	P1F-S050MS-0125-0000	P1F-S063MS-0125-0000
160	P1F-S032MS-0160-0000	P1F-S040MS-0160-0000	P1F-S050MS-0160-0000	P1F-S063MS-0160-0000
200	P1F-S032MS-0200-0000	P1F-S040MS-0200-0000	P1F-S050MS-0200-0000	P1F-S063MS-0200-0000
250	P1F-S032MS-0250-0000	P1F-S040MS-0250-0000	P1F-S050MS-0250-0000	P1F-S063MS-0250-0000
320	P1F-S032MS-0320-0000	P1F-S040MS-0320-0000	P1F-S050MS-0320-0000	P1F-S063MS-0320-0000
400	P1F-S032MS-0400-0000	P1F-S040MS-0400-0000	P1F-S050MS-0400-0000	P1F-S063MS-0400-0000
500	P1F-S032MS-0500-0000	P1F-S040MS-0500-0000	P1F-S050MS-0500-0000	P1F-S063MS-0500-0000

Stroke (mm)	Ø80mm bore: G3/8 Ports	Ø100mm bore: G1/2 Ports	Ø125mm bore: G1/2 Ports
25	P1F-S080MS-0025-0000	P1F-S100MS-0025-0000	P1F-S125MS-0025-0000
40	P1F-S080MS-0040-0000	P1F-S100MS-0040-0000	P1F-S125MS-0040-0000
50	P1F-S080MS-0050-0000	P1F-S100MS-0050-0000	P1F-S125MS-0050-0000
80	P1F-S080MS-0080-0000	P1F-S100MS-0080-0000	P1F-S125MS-0080-0000
100	P1F-S080MS-0100-0000	P1F-S100MS-0100-0000	P1F-S125MS-0100-0000
125	P1F-S080MS-0125-0000	P1F-S100MS-0125-0000	P1F-S125MS-0125-0000
160	P1F-S080MS-0160-0000	P1F-S100MS-0160-0000	P1F-S125MS-0160-0000
200	P1F-S080MS-0200-0000	P1F-S100MS-0200-0000	P1F-S125MS-0200-0000
250	P1F-S080MS-0250-0000	P1F-S100MS-0250-0000	P1F-S125MS-0250-0000
320	P1F-S080MS-0320-0000	P1F-S100MS-0320-0000	P1F-S125MS-0320-0000
400	P1F-S080MS-0400-0000	P1F-S100MS-0400-0000	P1F-S125MS-0400-0000
500	P1F-S080MS-0500-0000	P1F-S100MS-0500-0000	P1F-S125MS-0500-0000

Leadtime:
Yellow highlighted part numbers are on stock at EDC.



Product page



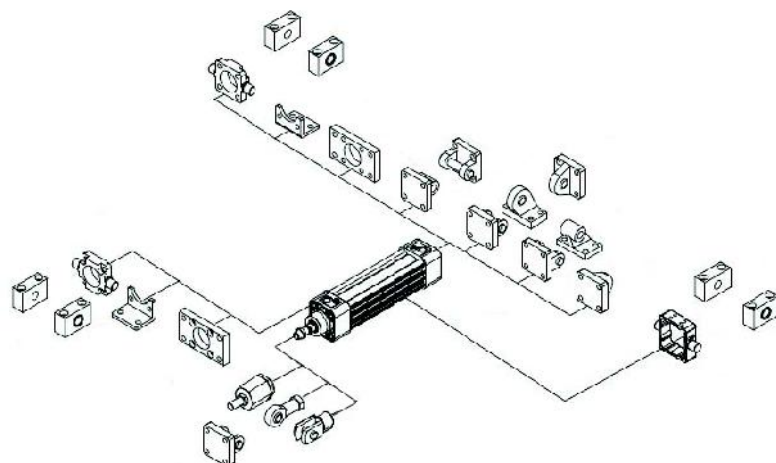
Catalogue

	Flange MF1 / MF2	Foot brackets MS1	Pivot bracket with rigid bearing AB7	Swivel eye bracket MP6	Clevis bracket MP2
Bore [mm]					
Ø32	P1C-4KMB	P1C-4KMF	P1C-4KMDB	P1C-4KMSB	P1C-4KMTB
Ø40	P1C-4LMB	P1C-4LMF	P1C-4LMDB	P1C-4LMSB	P1C-4LMTB
Ø50	P1C-4MMB	P1C-4MMF	P1C-4MMDB	P1C-4MMSB	P1C-4MMTB
Ø63	P1C-4NMB	P1C-4NMF	P1C-4NMDB	P1C-4NMSB	P1C-4NMTB
Ø80	P1C-4PMB	P1C-4PMF	P1C-4PMDB	P1C-4PMSB	P1C-4PMTB
Ø100	P1C-4QMB	P1C-4QMF	P1C-4QMDB	P1C-4QMSB	P1C-4QMTB
Ø125	P1C-4RMB	P1C-4RMF	P1C-4RMDB	P1C-4RMSB	P1C-4RMTB

	Clevis bracket MP4	Clevis bracket AB6	Pivot bracket with swivel bearing CS7	3 and 4 position flange JP1	Swivel rod eye AP6
					
Ø32	P1C-4KMEB	P1C-4KMCB	P1C-4KMAF	P1E-6KB0	P1C-4KRS
Ø40	P1C-4LMEB	P1C-4LMCB	P1C-4LMAF	P1E-6LB0	P1C-4LRS
Ø50	P1C-4MMEB	P1C-4MMCB	P1C-4MMAF	P1E-6MB0	P1C-4MRS
Ø63	P1C-4NMEB	P1C-4NMCB	P1C-4NMAF	P1E-6NB0	P1C-4LMRS
Ø80	P1C-4PMEB	P1C-4PMCB	P1C-4PMAF	P1E-6PB0	P1C-4PRS
Ø100	P1C-4QMEB	P1C-4QMCB	P1C-4QMAF	P1E-6QB0	P1C-4PRS
Ø125	P1C-4RMEB	P1C-4RMCB	P1C-4RMAF	-	P1C-4RRS

	Pivot brackets AT4	Flange trunnion MTS/MT6	Clevis AP2	Flexo coupling PM5	Nut Zinc plated steel
					
Ø32	9301054261	P1D-4KMYF	P1C-4KRC	P1C-4KRF	P14-4KRPZ*
Ø40	9301054262	P1D-4LMYF	P1C-4LRC	P1C-4LRF	P14-4LRPZ*
Ø50	9301054262	P1D-4MMYF	P1C-4MRC	P1C-4MRF	P14-4MRPZ*
Ø63	9301054264	P1D-4NMYF	P1C-4MRC	P1C-4MRF	P14-4MRPZ*
Ø80	9301054264	P1D-4PMYF	P1C-4PRC	P1C-4PRF	P14-4PRPZ*
Ø100	9301054266	P1D-4QMYF	P1C-4PRC	P1C-4PRF	P14-4PRPZ*
Ø125	9301054266	-	P1C-4RRC	P1C-4RRF	P14-4RRPZ*

* Sold as a quantity pack of 10 off.



Leadtime:
Yellow highlighted part numbers are on stock at EDC.



Product page



Catalogue

ELECTRIC VEHICLE MOTORS

Global Vehicle Motors for Mobile Applications – Series GVM

The efficient GVM motor (PMAC technology) allows customer an energy storage device size reduction leading to cleaner and more economic vehicles. The torque density and speed capabilities of Parker Permanent Magnet AC motors (PMAC) combined with a voltage matched inverter provide breakthrough performance in a variety of vehicle platforms. The GVM is a powerful choice for both on and off-road vehicles, engineered for Traction, Electro-hydraulic Pumps (EHP) and auxiliary applications.



Technical Specifications

Motor Type :	Permanent magnet synchronous motor
Magnet Materials :	Rare earth magnets
Number of Poles :	GVM142 and GVM210 12; GVM310 16
Battery Voltage :	24 to 800 VDC max
Power Range :	up to 351 kW (rated power)
Torque Range :	up to 2300 Nm (peak)
Speed Range :	up to 9500 rpm
Mounting Type:	eGearDrive, SAE A, SAE B, SAE C, SAE D, TA, TB, TC
Cooling Method:	50/50 Water Glycol
Feedback Type:	Resolver, absolute encoder (SinCos)
Shaft Type:	Spline (male or female). Other possibilities on request
Ingress Protection Rating:	IP67, IP6K9K (only for mounted motor)
Ambient Temperature (resolver feedback) liquid cooled :	-40 °C to 120 °C
Storage Temperature :	-40 °C to 85 °C
Insulation of the Stator Winding :	Class H with potting
Thermal Protection :	2x PT1000 sensor
Connections :	Terminal box (flying cables for kits); connector for feedback; automotive power connector

Ordering Information

Example:

GVM	310	200	P	BA1	W	R	A	3	1	PD
	Frame Size	Stack length		Magnetics option	Cooling	Feedback	Thermal switch	Power termination	Feedback termination	Output shaft

Leadtime:

30 working days for GVM210,
40 working days for GVM142
and 45 working days for
GVM310.



Product page



Catalogue

ELECTRIC VEHICLE MOTORS

Low Power Motor for Electro-Hydraulic Pump Applications – Series NX8M

The NX8 permanent magnet AC motor is the ideal choice for electro hydraulic pump applications, allowing a direct pump assembly without any mounting interface. It is capable of working immersed in oil, allowing improved pump performance and noiseless work. This cost effective solution has been engineered for both on and off-road vehicles.

The high torque density and high efficiency of Parker Permanent Magnet AC (PMAC) motors combined with a voltage matched inverter provide a solution to easily electrify hydraulic pumps, as a first step on the journey to full vehicle electrification.



Technical Specifications

Maximum Output Speed:	8000 rpm
Frame Size:	156 mm
Rated Torque:	up to 69.4 Nm
Output Power:	up to 24.7 kW
Motor Stack Length:	NX82, NX84, NX86
Mounting Type:	SAE A, SAE B, ISO3019/2
Nominal Battery Voltage:	24 to 800 VDC
Cooling Method:	Natural convection optional cold plates (water or oil)
Maximum Ambient Temperature:	60 °C for natural convection cooling
Feedback Type:	Encoder (SinCos), Resolver
Shaft Type:	Female Spline Shaft
Ingress Protection Rating:	IP67

Ordering Information

Example:

NX	8	6	H	M	S	C	A	6	G	00
	Frame Size	Stack length module	Cooling type		Encoder	Winding	Connection	Mechanical configuration	Thermal sensor	Mechanical interface

Leadtime:
25 working days.



Product page



Catalogue

ELECTRIC VEHICLE INVERTERS

Global Vehicle Inverter for Mobile Applications – Series GVI GEN2

Global Vehicle Inverter Generation 2 (GVI GEN 2) provides a smart, electrified power solution designed for both on-road and off-road vehicles. With cutting-edge motor control capabilities, GVI GEN 2 supports battery systems from 200 to 750 VDC, offering continuous power outputs of 125 kW or 250 kW across a variety of applications.



Technical Specifications

Output Power:	125, 250 kW
Input Voltage:	200 to 800 VDC
Compatible Motor Type:	Permanent Magnet AC (PMAc)
Continuous Output Current Rating:	180, 360 arms
Peak Output Power:	162, 325 kW
Cooling Method:	Liquid
Maximum Switching Frequency:	8 kHz
Operating Temperature:	-40 °C to 65 °C
Maximum Cooling Temperature:	65 °C
Modes of Control:	Speed, torque, and DC level control
Additional Protection Included:	IP67/IP69K

Ordering Information

Core product	Continuous power [kW]	Continuous current (1 hour)
GVI125-0650-180-FRxA-G000	125	180
GVI250-0650-360-FRxA-G000	250	360

Leadtime:
60 working days.



Product page



Catalogue

CONTROLLERS

Master Controllers – Series IQAN-MC41/MC42/MC43

Parker's IQAN-MC41, -MC42 and -MC43 are rugged master controllers that are designed as the ideal solution for hydraulic control systems in mobile hydraulic vehicles and machinery. The 3 sizes are perfectly scaled for: MC41 for cost efficient task oriented control, MC42 mid-size applications and I/O distribution, and MC43 large space-saving centralized control.



Master Controllers with Functional Safety

They are designed to be either a performance optimized standard controller, or an IEC 61508 SIL2 Functional Safety (FS) variant. When applying EN ISO 13849-1 for safety functions, the FS variant can be used as a PLd subsystem.



Technical Specifications

	IQAN-MC41-M24	IQAN-MC42-M24	IQAN-MC43-M24
			
	Performance master, TriCore 0.3GHz / 2MB Flash / 0.5MB RAM		
Inputs total	18:	18:	50:
	8x 5V	8x 5V	20x 5V
	2x 24V	2x 24V	2x 24V
	2x 0-20mA	2x 0-20mA	4x 0-20mA
	6x Freq 50kHz / 6 digital 24V	6x Freq 50kHz / 6 digital 24V	6x Freq 50kHz / 18 digital 24V
Outputs total	8:	16:	36:
	2x CAM 2.5A	6x CAM 2.5A	10x CAM 2.5A
	4x PWM HS 4A	4x PWM HS 4A	8x PWM HS 4A
	4x PWM LS 2A	12x PWM LS 2A	20x PWM LS 2A
			8 digital
	CAN: 2	CAN: 3	CAN: 5
	MATLAB Simulink support	MATLAB Simulink support	MATLAB Simulink support

The inputs and outputs can have different functionality depending on software configuration

Common features:

Compliance: CE, UKCA, E-mark R10, IEC 61508 SIL2 (EN 13849-1 Pld), CRA prepared

Protection: IP65, IP6k9k

Voltage supply: 12/24V

Interface: CAN (2.0B/FD) supports IQAN proprietary (ICP) SAE J1939 and generic CAN

CAM - Current output with a Current Arithmetic Mean measure method

Leadtime:

Standard 4 weeks, shorter lead time for single items.

Ordering Information

with Functional Safety

Order Code	Core products
20085211	IQAN-MC41-M24
20085212	IQAN-MC42-M24
20085213	IQAN-MC43-M24

Order Code	Core products
20085221	IQAN-MC41FS-M24
20085222	IQAN-MC42FS-M24
20085223	IQAN-MC43FS-M24



Product page



Catalogue

CONTROLLERS

Expansion Controllers – Series IQAN-XC4x

Parker's IQAN-XC4x expansion modules are perfect for increasing I/O in an IQAN system. They have voltage, current, digital and timer inputs. The outputs are proportional and digital. The modules communicate with an IQAN master module over a CAN bus.



Technical Specifications

	IQAN-XC41-M24	IQAN-XC42-M24	IQAN-XC43-M24	IQAN-XC44
				
	Expansion controller with functional safety	Expansion controller with functional safety	Expansion controller with functional safety	Expansion controller
Inputs total	18: 8x 5V 2x 24V 2x 0-20mA 6x Freq 50kHz / 6 digital 24V	18: 8x 5V 2x 24V 2x 0-20mA 6x Freq 50kHz / 6 digital 24V	50: 20x 5V 2x 24V 4x 0-20mA 6x Freq 50kHz 18 digital 24V	50: 20x 5V 2x 24V 4x 0-20mA 6x Freq 50kHz 18 digital 24V
Outputs total	8: 2x CAM 2.5A 4x PWM HS 4A 4x PWM LS 2A	16: 6x CAM 2.5A 4x PWM HS 4A 12x PWM LS 2A	36: 10x CAM 2.5A 8x PWM HS 4A 20x PWM LS 2A 8 digital LS 0.2A	36: 8x PWM HS 4A 20x digital LS 2.5A 5 digital HS 4A 8 digital LS 0.2A

The inputs and outputs can have different functionality depending on software configuration

Common features:

Compliance: CE, UKCA, E-mark R10, CRA prepared

Protection: IP65, IP6k9k

Voltage supply: 12/24V

Interface: CAN x1 (2.0B/FD) supports IQAN proprietary (ICP)

Ordering Information

Order Code	Core product
20085231	IQAN-XC41-M24
20085232	IQAN-MX42-M24
20085233	IQAN-XC43-M24
20085184	IQAN-XC44

Leadtime:

Standard 4 weeks,
shorter lead time for
single items.



Product page



Catalogue

CONTROLLERS

Expansion Controllers – Series IQAN-XC2x

Parker's IQAN-XC21/XC22/XC23 expansion modules are a subset of the collection of expansion/slave controllers that can be added to an IQAN system. The housing is designed for stacking multiple modules, to provide a high density of I/O in a small footprint.

The IQAN-XC21 is designed for in-cab use on mobile machinery. The small size makes it perfect for use in armrest controls. It uses four Molex Micro-fit connectors of varying pin density to prevent wiring mix-ups.

The IQAN-XC22 and IQAN-XC23 are designed for outdoor use on mobile machinery. The sealed housing uses 2 or 3 keyed Deutsch DTM connectors to prevent wiring mix-ups.



Technical Specifications

	IQAN-XC21	IQAN-XC22	IQAN-XC23
			
Inputs total	20: 8x 5V / 10x Freq 20kHz / 20x digital 24V / 1 Encoder	12: 10x Freq 20kHz / 12x digital 24V / 1 Encoder	20: 8x 5V / 10x Freq 20kHz / 20x digital 24V / 1 Encoder
Outputs total	8: 8x digital LS 0.3A	8: 8x digital LS 0.3A	8: 8x digital LS 0.3A
Protection	IP32	IP65, IP6k9k	IP65, IP6k9k

The inputs and outputs can have different functionality depending on software configuration

Common features:

Compliance: CE, UKCA

Voltage supply: 12/24V

Interface: CAN x1 (2.0B) supports IQAN proprietary (ICP)

Stackable mounting

Ordering Information

Order Code	Core product
20077775	IQAN-XC21
20077784	IQAN-XC22
20077792	IQAN-XC23

Leadtime:
Standard 4 weeks,
shorter lead time for
single items.



Product page



Catalogue XC21



Catalogue XC22, XC23

HMI, OPERATOR PANELS AND TOUCHSCREENS

Display Modul – Series IQAN-MD5

Parker's IQAN-MD5 is a family of display units with touchscreen capability and video inputs. These fully customizable display controllers reduce engineering expenses and costs with its easy-to-use IQAN software system and are ideal for use in any machine application as a display controller. The IQAN-MD5 displays have a rugged mechanical design with no moving parts and are completely sealed. The use of optical bonded display glass improves the readability, avoids light refraction, and eliminates possible condensation, since there is no air between the glass and LCD.

The IQAN-MD5 includes native IP camera support (SOME/IP and RTSP), eliminating the need for separate dedicated camera monitors. Mounting is easy. Well-integrated, flush mount in cabin panels, or as a stand-alone mount compatible with RAM™ mount components. The displays may be mounted in landscape or portrait orientation for easy integration of HMI or mechanics.



Technical Specifications

	IQAN-MD5-5	IQAN-MD5-8	IQAN-MD5-10	IQAN-MD5-12
				
Enclosure Size [mm]	102x141x45	141x215x45	173x252x45	147x329x45
Aspect ratio	16:9	16:9	16:10	21:8
Resolution [pixel]	800x480	1280x720	1280x800	1920x720
Monitor arm mount	RAM 49	RAM 30x38	RAM 30x38	RAM 30x38
Digital in, encoder	8/2	8/2	8/2	8/2
Digital out	1 x HS (5V), 2 x LS (300 mA)	1 x HS (5V), 2 x LS (300 mA)	1 x HS (5V), 2 x LS (300 mA)	1 x HS (5V), 2 x LS (300 mA)
Ethernet 100 Base-TX	1	2	2	2
Wake	Yes (LWU, CAN, RTC)	Yes (LWU, CAN, RTC)	Yes (LWU, CAN, RTC)	Yes (LWU, CAN, RTC)
RTC	Yes	Yes	Yes	Yes

Common features:

Compliance: CE, UKCA, E-mark R10, CRA prepared

Protection: IP65, IP6k9k

Voltage supply: 12/24 V

Screen: Capacitive touch glove use / 16M colors / LED Backlight / 85° viewing angle / Ambient light sensor

Interface: CAN x3 (2.0B/FD) supports IQAN proprietary (ICP), SAE J1939 and generic CAN

Molex MX123 (56pol) connector

CPU 4 x ARM 1.25 GHz

Memory Flash 8 GB / RAM 512 MB

Ordering Information

Order Code	Core product
20085201	IQAN-MD5-5
20085202	IQAN-MD5-8
20085203	IQAN-MD5-10
20085204	IQAN-MD5-12

Leadtime:

Standard 4 weeks, shorter lead time for single items.



Product page



Catalogue

CONTROLLER DEVICES AND ACCESSORIES

Lever and Joysticks

Parker's diverse selection of levers and joysticks includes mini and paddle-style, single-axis and two-axis analog joysticks designed for use in demanding mobile applications. They are available in a variety of formats and mounting and installation configurations as well as with deployment/actuation options such as buttons, thumb wheels, and triggers.

Technical Specifications

	IQAN-LSL	IQAN-LST	IQAN-LC6-X05	IQAN-LC5-X05
				
	Single axis hall effect	Single axis hall effect	4 Proportional	4 Proportional
	5 VDC	5 VDC	5 VDC	5 VDC
Connector	AMP/Tyco, Deutsch DT, Molex Microfit 3.0	AMP/Tyco, Deutsch DT	Molex MicroFit 3.0	Deutsch DTM
	IP65/IP44	IP66	IP67	IP65
Cycles	5 Million / 2 Million	5 Million	5 Million	5 Million
Options	Switch, detent		Rocker, ring	1-8 buttons, 1-2 thumb-wheels, trigger
Deflection angle	20 degrees	30 degrees	20 degrees	20 degrees
Dimensions [mm]	111 (57) x 112 x 42	53 (8) x 48 x 32	109 (38) x 65 x 65	240 (49) x 105 x 105

Leadtime:

Standard 4 weeks, shorter lead time for single items.



Product page



Catalogue IQAN-LSL



IQAN-LST



IQAN-LC6-X05



IQAN-LC5-X05

CONTROLLER DEVICES AND ACCESSORIES

Bluetooth® Communication Adapter – Series IQAN-G12

Parker's IQAN-G12 Bluetooth adapter delivers on-site short range or off-site remote diagnostic access to machines in rugged outdoor environments by wireless communication, using IQAN software tools. The IQAN-G12 is designed to transmit wireless diagnostic data from the IQAN system to a user's smartphone or a tablet with IQANgo app, or to a PC with IQANrun. To communicate with the machine remotely, the phone or tablet can connect to a remote computer via IQANconnect.



Technical Specifications

Minimum Operating Temperature:	-30 °C
Maximum Operating Temperature:	70 °C
Ingress Protection Rating:	IP6K9K
Current:	30 mA (28 VDC), 60 mA (14 VDC)
Communication Interface:	1x CAN, Bluetooth 5.2 LE
Electrical Connection:	Deutsch DT
Power Supply Voltage:	12 VDC, 24 VDC
Weight:	60 g
Connector:	DT06-4S
Bluetooth:	5.2
Range:	Up to 30 m
Security:	Pairing and encryption

Ordering Information

Order Code
20085200

Leadtime:
Standard 4 weeks, shorter
lead time for single items.



Product page



Catalogue

HYDRAULIC MOTORS - GEAR MOTORS

Aluminum Motors – Series PGM511

Parker's aluminum motor PGM511 series fixed displacement gear motor offers high performance and high power density due to its aluminum construction.

Technical Specifications

Motor Type:	Fixed
Body Material:	Aluminum
Displacement:	6 to 33 cm ³ /rev
Configuration:	Single
Operating Pressure:	250 bar
For Fluid Type:	Phosphate ester, water-glycol, Biodegradable
Operating Speed:	500 to 3500 rpm
Fluid Temperature:	-40 °C to 70 °C
Weight:	4.5 kg
Shaft Type:	SAE B Splined, taper key, Key DIN 6885
Mounting Type:	2-Bolt SAE A, rectangular, Thrubolt flange, 4-Bolt flange
Port Type:	BSP, square, diamond
Direction of Rotation:	Bi-directional
Circuit Path:	Open
Filter Efficiency Rating:	19/17/13 according to ISO 4406



Ordering Information

Example:

PG	M	511	A	0060	C	A1	D3	X				
Gear design	Type		Unit	Displacement	Rotation	Shaft	Flange	Shaft seal	Side suction port	Side pressure port	Rear suction port	Rear pressure port

Leadtime:
15 working days.



Product page

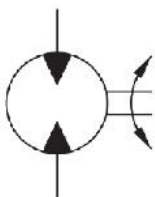


Catalogue

HYDRAULIC MOTORS - GEROTOR MOTORS

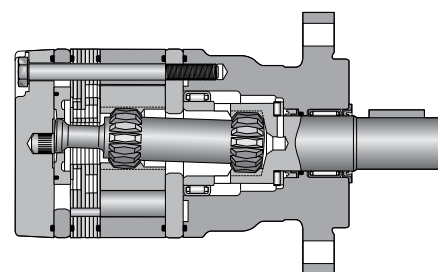
Light Duty Torqmotor™ – Series TE

The only motor in its class with roller bearings, the TE series can handle side loads of 6672 N and withstand the pounding delivered by chain and sprocket couplings.



Technical Specifications

Brand:	Torqmotor™
Body Material:	Cast iron
Displacement:	36 to 390 cm³/rev (motor)
Maximum Pressure Differential:	120 to 190 bar intermittent (85 to 140 continuous)
Maximum Flow Rate:	40 to 75 l/min intermittent (35 to 60 continuous)
Maximum Output Torque:	71 to 648 Nm intermittent (55 to 467 continuous)
Minimum Starting Torque:	52 to 477 Nm intermittent (44 to 373 continuous)
Maximum Operating Speed:	190 to 1160 rpm at intermittent flow
Shaft Diameter:	25.4 mm nominal (other sizes available)



Ordering Information

Example:

TE	0	0	3	6	C	W	W	41	0	A	A	A	B
Displacement					Housing	Ports	Shaft		Direction of rotation	Option			

Leadtime:
15 working days.



Product page

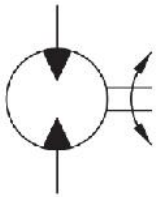


Catalogue

HYDRAULIC MOTORS - GEROTOR MOTORS

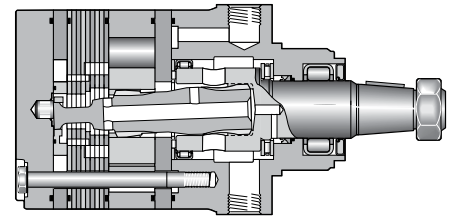
Medium Duty Torqmotor™ – Series TF

Available in flange or wheel mounts, the TF series motor has intermittent pressure ratings to 280 bar, torques to 920 Nm. Side load capability is 17792 N, on flange mounts, 26688 N on wheel mounts. Shaft size 31.75 mm nominal.



Technical Specifications

Brand:	Torqmotor™
Body Material:	Cast Iron
Displacement:	80 to 475 cm ³ /rev (motor)
Maximum Pressure Differential:	140 to 280 bar intermittent (115 to 210 continuous)
Maximum Flow Rate:	60 to 100 l/min intermittent (45 to 75 continuous)
Maximum Output Torque:	295 to 920 Nm intermittent (200 to 680 continuous)
Minimum Starting Torque:	236 to 789 Nm intermittent (168 to 603 continuous)
Maximum Operating Speed:	200 to 750 rpm at intermittent flow
Shaft Diameter:	31.75 mm nominal (other sizes available)



Ordering Information

Example:

TJ	0	0	3	6	U	W	0	8	0	A	A	A	B
	Displacement				Housing	Ports	Shaft		Direction of rotation	Option			

Leadtime:
15 working days.



Product page

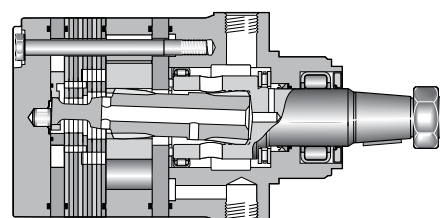
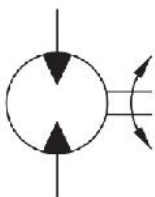


Catalogue

HYDRAULIC MOTORS - GEROTOR MOTORS

Medium Duty Torqmotor™ – Series TG

With increased power and durability, the TG Series motor is available in flange or wheel mounts. Torques to 1490 Nm and displacements to 960 cc. Shaft sizes to 34.9 mm nominal.



Technical Specifications

Brand:	Torqmotor™
Body Material:	Cast iron
Displacement:	140 to 960 cm³/rev (motor)
Maximum Pressure Differential:	100 to 280 bar intermittent (70 to 210 continuous)
Maximum Flow Rate:	100 to 115 l/min intermittent (75 continuous)
Maximum Output Torque:	545 to 1490 Nm intermittent (400 to 1150 continuous)
Minimum Starting Torque:	436 to 1341 Nm intermittent (320 to 991 continuous)
Maximum Operating Speed:	119 to 710 rpm at intermittent flow
Shaft Diameter:	34.9 mm nominal (other sizes available)

Ordering Information

Example:

TG	0	1	4	0	E	W	4	4	0				
	Displacement				Housing	Ports	Shaft		Direction of rotation	Option			

Leadtime:
15 working days.



Product page

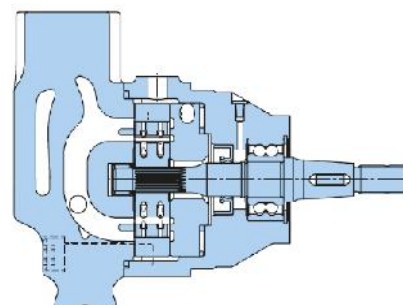
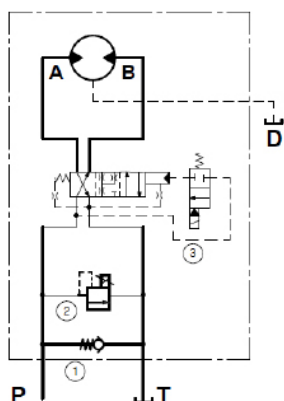


Catalogue

HYDRAULIC MOTORS - VANE MOTORS

Heavy Duty Vane Motors – Series M5

The M5 series is tailored for severe duty applications which require high pressure, high speed and low fluid lubricity.



Technical Specifications

Drain Port Size:	SAE 6 - 9/16" UNF, M12x1.5 metric thread, 1/4" BSPP, M18x1.5 metric thread
Intermittent Outlet Pressure Port 1:	280 to 320 bar
Continuous Outlet Pressure Port 1:	260 to 300 bar
Rated Speed:	2500 to 6000 rpm
Brand:	Denison

Ordering Information

Example:

M5A	018	5	N	12	A	1	Y	0	0	0	00
Displacement	Type of shaft	Direction of rotation	End cap type	Design letter	Seal class	Connection variables	Option	Pressure valve type	Max. pressure setting value		

Leadtime:
30 working days.



Product page



Catalogue

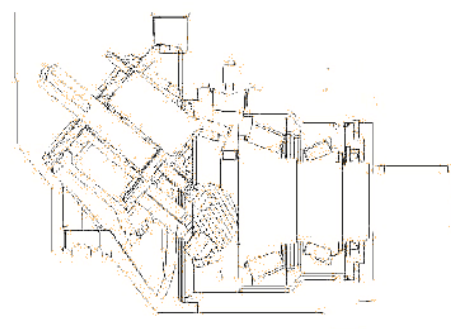
HYDRAULIC MOTORS - BENT AXIS MOTORS

Bent Axis Fixed Motors – Series F10

Parkers F10 hydraulic motor series are designed to be the most cost optimized solutions in applications with lower pressure demands. Sizes from 30-125 cc.

Technical Specifications

Body Material:	Cast iron
Configuration:	Single
Maximum Displacement:	125 cm ³ /rev
Operating Pressure:	up to 350 bar
Maximum Flow Rate:	250 l/min
For Fluid Type:	Standard hydraulic fluids
Media:	Hydraulic fluids
Maximum Operating Speed:	3100 rpm
Fluid Temperature:	-40 °C to 115 °C
Weight:	11.5 to 33 kg max
Shaft Type:	Key shaft, spline
Mounting Option:	ISO, SAE, cartridge
Port Type:	Flange
Port Connection:	ISO 6162-2
Port Location:	Rear ports
Direction of Rotation:	Clockwise, counterclockwise
Circuit Path:	Open
Sensor Type:	Speed, rotation
Drain Option:	External
Kinematic Viscosity:	37 SUS to 4664 SUS
Thru-Drive Capability:	No



Ordering Information

Example:

F10	–	005	–	M	B	–	C	V	–	K	–		–	0000	–	00
		Frame size		Function	Main ports		Mounting flange	Shaft seal		Shaft		Version number		Option		Option

Leadtime:
15 working days.



Product page



Catalogue

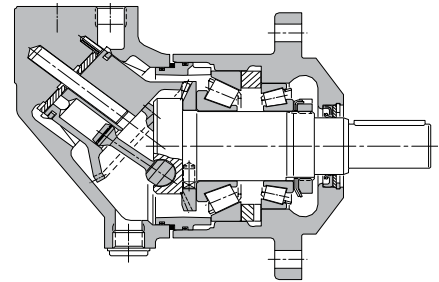
HYDRAULIC MOTORS - BENT AXIS MOTORS

Bent Axis Fixed Motors – Small Frame Series F11

Parker F11 hydraulic motor series has operating pressures up to 420 bar and speeds up to 14.000 rpm. The F11 motor is a robust design motor, and can be used in numerous applications in both open and closed loop circuits. Sizes from 5-19 cc.

Technical Specifications

Body Material:	Cast iron
Configuration:	Single
Maximum Displacement:	19 cm ³ /rev
Operating Pressure:	up to 420 bar
Maximum Flow Rate:	66.5 l/min
For Fluid Type:	Standard hydraulic fluids
Media:	Hydraulic fluids
Maximum Operating Speed:	4600 rpm
Fluid Temperature:	-40 °C to 115 °C
Weight:	11 kg
Shaft Type:	SAE, ISO
Mounting Option:	SAE, ISO, CETOP, cartridge
Port Type:	Straight threaded
Port Connection:	SAE, ISO, BSPP
Port Location:	Rear ports
Direction of Rotation:	Clockwise, counterclockwise, bi-rotational
Circuit Path:	Open
Sensor Type:	Speed, rotation
Maximum Noise Level:	80 dBA
Drain Option:	Yes
Filter Included:	No
Radial Load Capacity:	400 kg
Minimum Kinematic Viscosity:	8 cSt to 1000cST, 37.3 SUS to 4664 SUS
Thru-Drive Capability:	No
Energy Recovery Capability:	Yes



Ordering Information

Example:

F11	–	006	–	M	U	–	S	V	–	T	–		–	0000	–	00
		Frame size		Function	Main ports		Mounting flange	Shaft seal		Shaft		Version number		Option		Option

Leadtime:
15 working days.



Product page



Catalogue

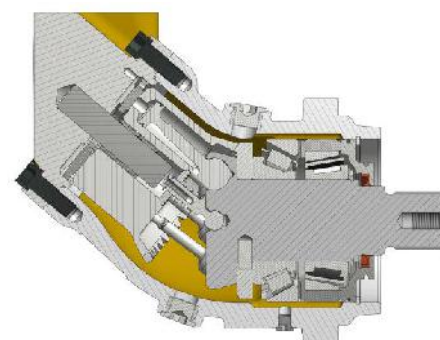
HYDRAULIC MOTORS - BENT AXIS MOTORS

Bent Axis Fixed Motors – Large Frame Series F12

Parker F12 hydraulic motor series has operating pressures up to 480 bar and have high self-priming speeds. The F12 is a robust design pump, and can be used in numerous applications in both open and closed loop circuits. Sizes from 30-250 cc.

Technical Specifications

Body Material:	Cast Iron
Configuration:	Single
Maximum Displacement:	242 cm ³ /rev
Operating Pressure:	up to 480 bar
Maximum Flow Rate:	363 l/min
For Fluid Type:	Standard hydraulic fluids
Media:	Hydraulic fluids
Maximum Operating Speed:	3150 rpm
Fluid Temperature:	-40 °C to 115 °C
Weight:	77 kg
Shaft Type:	SAE, ISO
Mounting Option:	SAE, ISO, CETOP, cartridge
Port Type:	Flange
Port Connection:	SAE, ISO, BSPP
Port Location:	Side ports, rear ports, opposing ports, Configurable
Direction of Rotation:	Clockwise, counterclockwise, bi-rotational
Circuit Path:	Open
Sensor Type:	Speed, rotation
Maximum Noise Level:	88 dBA
Drain Option:	Yes
Filter Included:	No
Radial Load Capacity:	1900 kg
Kinematic Viscosity:	8 cSt to 1000 cSt, 37.3 SUS to 4664 SUS
Thru-Drive Capability:	No
Energy Recovery Capability:	Yes



Ordering Information

Example:

F12	—	030	—	M	F	—	I	V	—	D	—		—	0000	—	00
		Frame size		Function	Main ports		Mounting flange	Shaft seal		Shaft		Version number		Option		Option

Leadtime:
15 working days.



Product page



Catalogue

GEAR PUMPS

Aluminum Pumps – Series PGP511

Parker's aluminum pump PGP511 series fixed displacement gear pump offers high performance and high power density due to its aluminum construction.

Technical Specifications

Pump Type:	Fixed
Body Material:	Aluminum
Displacement:	6 to 33 cm ³ /rev
Configuration:	Single
Operating Pressure:	250 bar
For Fluid Type:	Standard hydraulic fluids, Fire resistant, water-glycol, Biodegradable
Operating Speed:	500 to 3500 rpm
Fluid Temperature:	-40 °C to 80 °C
Weight:	4.5 kg
Shaft Type:	SAE A splined, taper key, DIN ISO 14
Mounting Type:	2-Bolt SAE A, rectangular, Thrubolt flange, 4-Bolt flange
Port Type:	BSP, square, diamond
Direction of Rotation:	Clockwise, counterclockwise
Circuit Path:	Open
Filter Efficiency Rating:	19/17/13 according to ISO 4406



Ordering Information

Example:

PG	P	511	A	0012	C	A1	D3	X				
Gear design	Type		Unit	Displacement	Rotation	Shaft	Flange	Shaft seal	Side suction port	Side pressure port	Rear suction port	Rear pressure port

Leadtime:
15 working days.



Product page



Catalogue

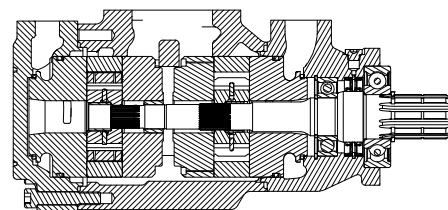
VANE PUMPS

Mobile Pumps for PTO Mounting – Series T7G

Hydraulic mobile pump T7G series are specially designed for power take-off (PTO) mounting.

Technical Specifications

Pump Type:	Vane, fixed
Body Material:	Cast iron
Displacement:	9.8 to 100 cm ³ /rev
Configuration:	Double, single
Operating Pressure:	210 to 300 bar
For Fluid Type:	Standard hydraulic fluids
Operating Speed:	0 to 3600 rpm
Weight:	singel pump: 15.3 kg, double pump: 25.6 kg
Port Size:	Pressure port, double pump: 2-1/2 and 3 inch suction port
Flow Rate:	19.6 to 200 l/min @2000 rpm
Intermittent Outlet Pressure Port 1:	210 to 300 bar
Continuous Outlet Pressure Port 1:	160 to 275 bar
Intermittent Outlet Pressure Port 2:	210 to 300 bar
Continuous Outlet Pressure Port 2:	160 to 275 bar
Additional Options:	Viton Seals
Seal Material:	Buna-N



Ordering Information

Example:

T7GB	E14	6	R	00	A	1	00
	Displacement	Type of shaft	Direction of rotation	Porting combination	Design letter	Seal class	Ports

Leadtime:
30 working days.



Product page



Catalogue

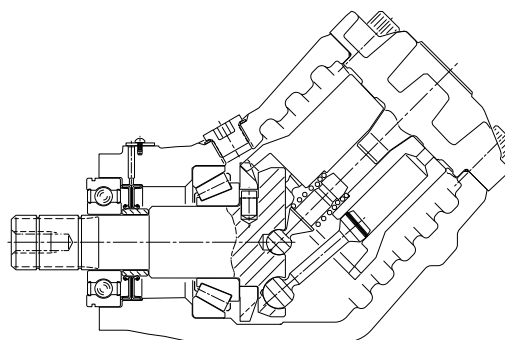
BENT AXIS PUMPS

Bent Axis Fixed Truck Pumps – Series F1

Parker F1 hydraulic truck pump series has operating pressures up to 400 bar and speeds up to 3050 rpm. The F1 pump has a robust design that provides circuit reliability for the most demanding truck applications, sizes from 25 - 101 cc.

Technical Specifications

Body Material:	Aluminum
Configuration:	Single
Maximum Displacement:	102.9 cm ³ /rev
Maximum Operating Pressure:	400 bar
Maximum Flow Rate:	216 l/min (F1-101 @ 2100 rpm)
For Fluid Type:	Standard hydraulic fluids
Media:	Hydraulic fluids
Maximum Operating Speed:	3050 rpm
Fluid Temperature:	-40 °C to 115 °C
Weight:	12.5 kg
Shaft Type:	SAE, ISO, DIN
Mounting Option:	SAE, ISO
Port Connection:	SAE, ISO, BSPP
Port Location:	Rear Ports
Direction of Rotation:	Clockwise, counterclockwise
Circuit Path:	Open
Sensor Type:	Consult Parker
Maximum Noise Level:	Consult Parker
Drain Option:	Yes
Filter Included:	No
Radial Load Capacity:	Consult Parker
Minimum Kinematic Viscosity:	46 SUS to 1853 SUS, 10 cSt to 400 cSt



Ordering Information

Example:

F1	-	61	-	R	U	-	S	V	-	S
		Frame size		Shaft rotation	Main port		Mounting flange	Shaft seal		Shaft end

Leadtime:
1 working day,
depending on quantity.



Product page



Catalogue

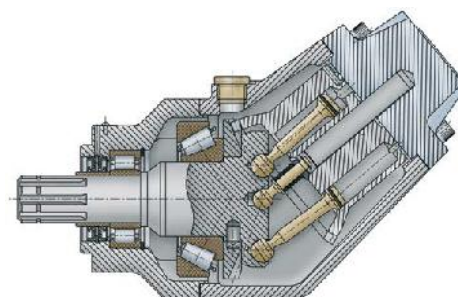
BENT AXIS PUMPS

Bent Axis Fixed Truck Pumps – Series F2

Parker F2 Twin-Flow hydraulic truck pump series has operating pressures up to 400 bar and speeds up to 2100 rpm. The robust design provides circuit reliability for the most demanding truck applications, sizes from 42/42 - 70/70 cc.

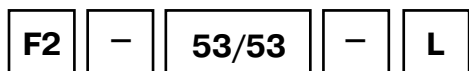
Technical Specifications

Body Material:	Aluminum
Configuration:	Single
Maximum Displacement:	68/68 cm ³ /rev
Maximum Operating Pressure:	400 bar
Maximum Flow Rate:	112 l/min
For Fluid Type:	Standard hydraulic fluids
Media:	Hydraulic fluids
Maximum Operating Speed:	2100 rpm
Fluid Temperature:	-40 °C to 115 °C
Weight:	19 kg
Shaft Type:	ISO, DIN
Mounting Option:	ISO
Port Connection:	ISO, BSPP
Port Location:	Rear Ports
Direction of Rotation:	Clockwise, counterclockwise
Circuit Path:	Open
Drain Option:	Yes
Filter Included:	No
Minimum Kinematic Viscosity:	46 SUS to 1853 SUS, 10 cSt to 400 cSt



Ordering Information

Example:



Frame
size

Direction of
rotation

Leadtime:

1 working day, depending
on quantity.



Product page



Catalogue

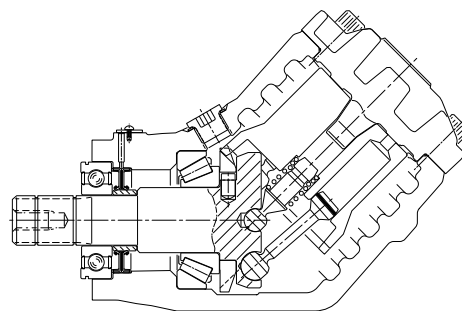
BENT AXIS PUMPS

Bent Axis Fixed Truck Pumps – Series T1plus

Parker T1 hydraulic truck pump series has operating pressures up to 350 bar and maximum selfpriming speed up to 2000 rpm. The robust design provides circuit reliability for the most demanding truck applications, sizes from 81 - 121 cc.

Technical Specifications

Body Material:	Aluminum
Configuration:	Single
Maximum Displacement:	121 cm ³ /rev
Maximum Operating Pressure:	350 bar
Maximum Flow Rate:	190 l/min
For Fluid Type:	Standard hydraulic fluids
Media:	Hydraulic fluids
Maximum Operating Speed:	2000 rpm
Fluid Temperature:	-40 °C to 115 °C
Weight:	12.5 kg
Shaft Type:	ISO, DIN
Mounting Option:	ISO
Port Connection:	ISO, BSPP
Port Location:	Rear ports
Direction of Rotation:	Clockwise, counterclockwise
Circuit Path:	Open
Drain Option:	Yes
Filter Included:	No
Kinematic Viscosity:	46 SUS to 1853 SUS, 10 cSt to 400 cSt
Thru-Drive Capability:	No



Ordering Information

Example:



Frame
size

Direction of
rotation

Leadtime:
11 working days.



Product page



Catalogue

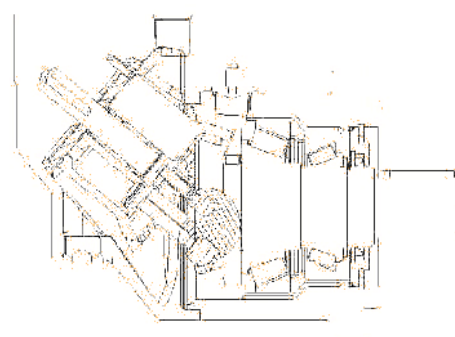
BENT AXIS PUMPS

Bent Axis Fixed Pumps – Series F10

Parkers F10 hydraulic pumps & motor series are designed to be the most cost optimized solutions in applications with lower pressure demands. Sizes from 30-125 cc.

Technical Specifications

Body Material:	Cast Iron
Configuration:	Single
Maximum Displacement:	125 cm ³ /rev
Operating Pressure:	up to 350 bar
Maximum Flow Rate:	250 l/min
For Fluid Type:	Standard hydraulic fluids
Media:	Hydraulic fluids
Maximum Operating Speed:	3100 rpm
Fluid Temperature:	-40 °C to 115 °C
Weight:	11.5 to 33 kg max.
Shaft Type:	Key shaft, spline
Mounting Option:	ISO, SAE, cartridge
Port Type:	Flange
Port Connection:	ISO 6162-2
Port Location:	Rear Ports
Direction of Rotation:	Clockwise, counterclockwise
Circuit Path:	Open
Sensor Type:	Speed, rotation
Drain Option:	External
Kinematic Viscosity:	37 SUS to 4664 SUS
Thru-Drive Capability:	No



Ordering Information

Example:

F10	–	030	–	R	F	–	I	V	–	K	–		–	0000	–	P0
		Frame size		Function	Main ports		Mounting flange	Shaft seal		Shaft		Version number		Option		Option

Leadtime:
15 working days.



Product page



Catalogue

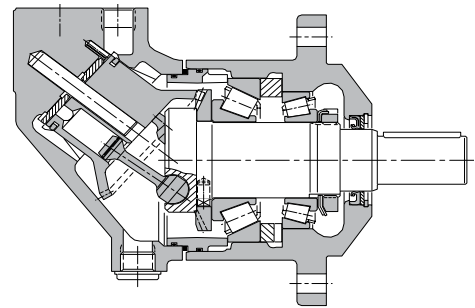
BENT AXIS PUMPS

Bent Axis Fixed Pumps – Small Frame Series F11

Parker F11 hydraulic pump series has operating pressures up to 420 bar and have high selfpriming speeds. The F11 is a robust design pump, and can be used in numerous applications in both open and closed loop circuits. Sizes from 5-19 cc.

Technical Specifications

Body Material:	Cast iron
Configuration:	Single
Maximum Displacement:	19 cm ³ /rev
Operating Pressure:	up to 420 bar
Maximum Flow Rate:	66.5 l/min
For Fluid Type:	Standard hydraulic fluids
Media:	Hydraulic fluids
Maximum Operating Speed:	4600 rpm
Fluid Temperature:	-40 °C to 115 °C
Weight:	11 kg
Shaft Type:	SAE, ISO
Mounting Option:	SAE, ISO, CETOP, cartridge
Port Type:	Straight threaded
Port Connection:	SAE, ISO, BSPP
Port Location:	Rear ports
Direction of Rotation:	Clockwise, counterclockwise, bi-rotational
Circuit Path:	Open
Sensor Type:	Speed, rotation
Maximum Noise Level:	80 dBA
Drain Option:	Yes
Filter Included:	No
Radial Load Capacity:	400 kg
Minimum Kinematic Viscosity:	8 cSt to 1000 cST, 37.3 SUS to 4664 SUS
Thru-Drive Capability:	No
Energy Recovery Capability:	Yes
Charge Pump Included:	No



Ordering Information

Example:

F11	–	006	–	R	U	–	C	V	–	K	–		–	0000	–	00
		Frame size		Function	Main ports		Mounting flange	Shaft seal		Shaft		Version number		Option		Option

Leadtime:
15 working days.



Product page



Catalogue

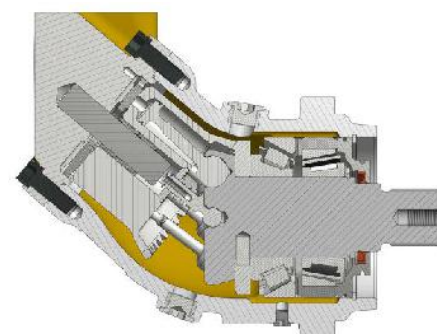
BENT AXIS PUMPS

Bent Axis Fixed Pumps – Large Frame Series F12

Parker F12 hydraulic pump series has operating pressures up to 480 bar and have high self-priming speeds. The F12 is a robust design pump, and can be used in numerous applications in both open and closed loop circuits. Sizes from 30-250 cc.

Technical Specifications

Body Material:	Cast Iron
Configuration:	Single
Maximum Displacement:	242 cm ³ /rev
Operating Pressure:	up to 480 bar
Maximum Flow Rate:	363 l/min,
For Fluid Type:	Standard hydraulic fluids
Media:	Hydraulic fluids
Maximum Operating Speed:	3150 rpm
Fluid Temperature:	-40 °C to 115 °C
Weight:	77 kg
Shaft Type:	SAE, ISO
Mounting Option:	SAE, ISO, CETOP, cartridge
Port Type:	Flange
Port Connection:	SAE, ISO, BSPP
Port Location:	Side ports, rear ports, opposing ports, configurable
Direction of Rotation:	Clockwise, counterclockwise, bi-rotational
Circuit Path:	Open
Sensor Type:	Speed, rotation
Maximum Noise Level:	88 dBA
Drain Option:	Yes
Filter Included:	No
Radial Load Capacity:	4180 lb
Kinematic Viscosity:	8 cSt to 1000 cSt, 37.3 SUS to 4664 SUS
Thru-Drive Capability:	No
Energy Recovery Capability:	Yes
Charge Pump Included:	No



Ordering Information

Example:

F12	–	030	–	R	F	–	I	V	–	D	–		–	0000	–	00
		Frame size		Function	Main ports		Mounting flange	Shaft seal		Shaft		Version number		Option		Option

Leadtime:
15 working days.



Product page



Catalogue

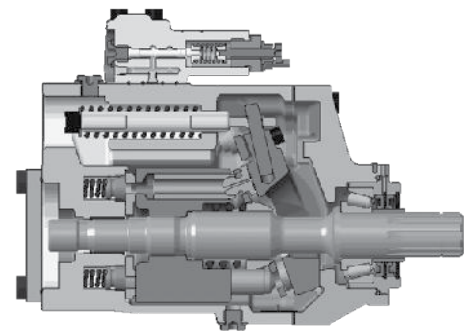
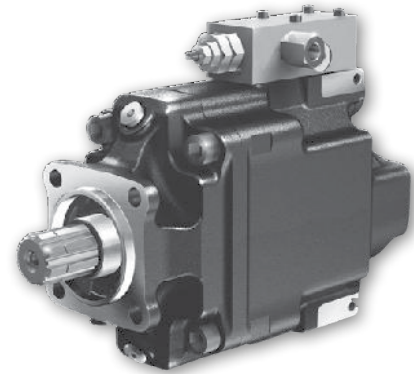
PISTON PUMPS

Axial Piston Variable Displacement Pumps – Series VP1

Parker VP1 hydraulic variable truck pump series has operating pressures up to 420 bar and speeds up to 3000 rpm. The VP1 pump is a robust design that provides circuit reliability for the most demanding truck applications. Sizes from 45-130 cc.

Technical Specifications

Pump Type:	Piston, variable
Body Material:	Cast Iron
Displacement:	45 to 130 cm ³ /rev
Configuration:	Single, tandem
Operating Pressure:	up to 420 bar
For Fluid Type:	Standard hydraulic fluids
Media:	Hydraulic fluids
Maximum Operating Speed:	3000 rpm
Fluid Temperature:	-40 °C to 120 °C
Weight:	27 kg
Shaft Type:	SAE, ISO, DIN
Mounting Option:	SAE, ISO, DIN
Port Connection:	SAE, ISO, BSPP
Port Location:	Rear ports
Direction of Rotation:	Clockwise, counterclockwise
Circuit Path:	Open
Drain Option:	Yes
Filter Included:	No
Kinematic Viscosity:	47 SUS to 1866 SUS
Thru-Drive Capability:	Yes
Energy Recovery Capability:	No
Control Method:	Load sense
Charge Pump Included:	No



Ordering Information

Example:

VP1	-	045	-	L
		Frame size		Direction of rotation

Leadtime:
15 working days painted,
10 working days not
painted.



Product page



Catalogue

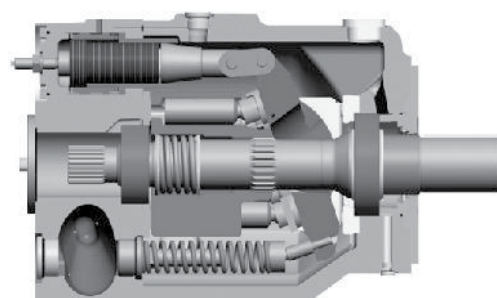
PISTON PUMPS

Axial Piston Variable Displacement Pumps – Series PVplus

Open circuit, variable swashplate piston pumps. Optimized for heavy duty industrial and marine applications. Operating pressures of up to 420 bar, high speed ratings and a wide range of highly responsive controls. Displacements from 16 to 360 cc/rev.

Technical Specifications

Body Material:	Cast iron
Configuration:	Single, tandem, multiple
Displacement:	16 to 360 cm ³ /rev
Operating Pressure:	420 bar
Flow Rate:	48 to 630 l/min
For Fluid Type:	Standard hydraulic fluids, water-glycol, biodegradable, fire resistant
Media:	Hydraulic fluids, liquids
Maximum Operating Speed:	3000 rpm
Fluid Temperature:	-40 °C to 115 °C
Weight:	186 kg
Shaft Type:	SAE, ISO
Mounting Option:	SAE, ISO
Port Type:	Flange, straight threaded
Port Connection:	SAE, ISO, BSPP
Direction of Rotation:	Clockwise, counterclockwise
Circuit Path:	Open
Sensor Type:	Pressure, displacement
Maximum Noise Level:	96 dBA
Drain Option:	Yes
Filter Included:	No
Kinematic Viscosity:	80 SUS to 3880 SUS
Thru-Drive Capability:	Yes
Energy Recovery Capability:	No
Control Method:	Pressure, remote pressure, load sense, electronic control, unloading, proportional pressure
Charge Pump Included:	No



Ordering Information

Example:

P	V	0	1	6	R	1	K	1	T	1	N	1	0	0
		Size and displacement			Rotation	Variation	Mounting interface	Thread code	Through drive code	Coupling code	Seals	Control		

Leadtime:
20 working days.



Product page



Catalogue

COOLERS

Quiet Air Fluid Coolers with DC Motor – Series QDC

The QDC air fluid cooler series with 24 VDC and up to 850 VDC fan drive is optimized for use in the mobile, electrification market and is available in a range of cooling capacity from 1 kW to 400 kW.

Technical Specifications

Power Supply Voltage:	24 to 850 VDC
Control Signal:	800 V DC inverter, PWM 24 VDC
For Fluid Type:	Water glycol mix, mineral oil
Maximum Cooling Capacity:	0.1 to 3 kW/°C
Size:	007, 008, 011, 012, 016, 017, 025, 026 (050, 075, 100)
Pressure Drop:	0.005 to 1 bar
Maximum Flow Rate:	250 l/min
Minimum Flow Rate:	5 l/min
Maximum Operating Pressure:	21 bar
Minimum Operating Pressure:	0.05 bar
Maximum Operating Temperature:	120 °C
Minimum Operating Temperature:	-40 °C
Ambient Temperature:	20 °C
Connection 1 Thread Size:	G1 to G1-1/2 inch
Connection 2 Thread Size:	G1 to G1-1/2 inch
Volume:	1.4 to 11.2 l
Maximum Noise Level:	50 to 95 dBA
Rated Speed:	1200 to 4750 rpm (24 to 26 VDC), 1000 to 2560 rpm (600 V DC)
Current:	0.5 to 63 A



Ordering Information

Order Code	Order Code
5847025001	5847006500
5847025002	5847006501
5847026001	5847006502
5847007001	5847006002
5847008001	5847006520
5847011001	5847006522
5847012001	5847080001
5847016001	5847080003
5847017001	5847026002
5847006001	5847006550

Leadtime:
40 working days.



Product page

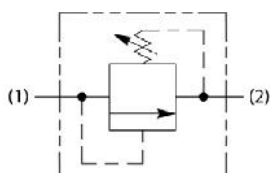


Catalogue

CARTRIDGE VALVES - PRESSURE RELIEF VALVES

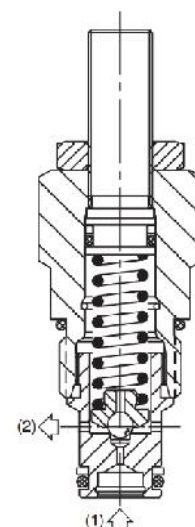
Direct Acting Relief Valve – Series A02A2*

Parker's direct acting relief valves are available in several cavity sizes and are designed for continuous duty applications with pressures up to 420 bar and flows up to 200 lpm.



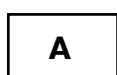
Technical Specifications

Flow Rate:	6 l/min
Adjustment Mechanism:	Screw
Seal Material:	Nitrile
Maximum Operating Pressure:	420 bar
Pressure Control Range:	10 to 420 bar
Standard Setting Pressure:	200 bar
Leak Rate:	0.33 cm ³ /min @ 100 bar
Cavity Size:	C08-2
For Fluid Type:	Mineral-based hydraulic fluids, Synthetic hydraulic fluids
Maximum Kinematic Viscosity:	45 - 2000 SSU (6 to 420 cSt)
Filter Efficiency Rating:	ISO 4406 18/16/13, SAE Class 4
Valve Material:	Steel (all parts), hardened steel (all operating parts)
Installation Torque:	40 Nm
Operating Temperature:	-34 to 121 °C
Weight:	0.11 kg

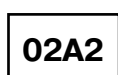


Ordering Information

Example:



Relief valve
direct acting



Size/type



Pressure
range



Adjustment
style



Seals

Size / type		Pressure range		Adjustment style		Seals	
Code	Cavity	Code	Max Pressure	Code	Style	Code	Style
A02A2	C08-2 (6 LPM, 420 BAR) / Ball Type	P	420 BAR	Z	Screw	N	Nitrile

Order Code

A02A2PZN

Leadtime:

Core product items (highlighted yellow) are available from EDC stock with a max order quantity. Check MyParker for standard lead times and real time availability.



Product page

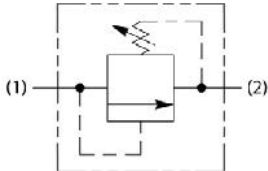


Catalogue

CARTRIDGE VALVES - PRESSURE RELIEF VALVES

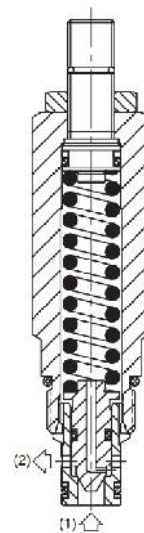
Direct Acting Relief Valve – Series A02B2*

Parker's direct acting relief valves are available in several cavity sizes and are designed for continuous duty applications with pressures up to 420 bar and flows up to 200 lpm.



Technical Specifications

Flow Rate:	30 l/min
Adjustment Mechanism:	Screw
Seal Material:	Nitrile
Maximum Operating Pressure:	420 bar
Pressure Control Range:	5 to 420 bar
Standard Setting Pressure:	200 bar
Configuration:	Pressure relief
Leak Rate:	0.33 cm ³ /min @ 100 bar
Cavity Size:	C08-2
For Fluid Type:	Mineral-based hydraulic fluids, Synthetic hydraulic fluids
Maximum Kinematic Viscosity:	45 - 2000 SSU (6 to 420 cSt)
Filter Efficiency Rating:	ISO 4406 18/16/13, SAE Class 4
Valve Material:	Steel (all parts), hardened steel (all operating parts)
Installation Torque:	40 Nm
Operating Temperature:	-34 to 121 °C
Weight:	0.2 kg



Ordering Information

Example:	A	02B2	P	Z	N
	Relief valve direct acting	Size/type	Pressure range	Adjustment style	Seals

Size / type		Pressure range		Adjustment style		Seals	
Code	Cavity	Code	Max Pressure	Code	Style	Code	Style
A02B2	C08-2 (30 LPM, 420 BAR) / Poppet Type	P	420 BAR	Z	Screw	N	Nitrile

Order Code

A02B2PZN

Leadtime:

Core product items (highlighted yellow) are available from EDC stock with a max order quantity. Check MyParker for standard lead times and real time availability.



Product page

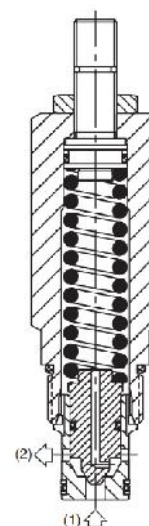
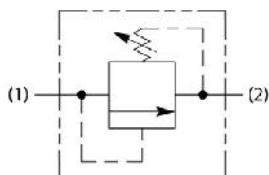


Catalogue

CARTRIDGE VALVES - PRESSURE RELIEF VALVES

Direct Acting Relief Valve – Series A04B2*

Parker's direct acting relief valves are available in several cavity sizes and are designed for continuous duty applications with pressures up to 420 bar and flows up to 200 lpm.



Technical Specifications

Flow Rate:	100 l/min
Adjustment Mechanism:	Screw
Seal Material:	Nitrile
Pressure Control Range:	5 to 420 bar
Adjustment Mechanism:	Screw
Seal Material:	Nitrile
Maximum Operating Pressure:	420 bar
Standard Setting Pressure:	200 bar
Leak Rate:	0.33 cm ³ /min @ 100 bar
Cavity Size:	C10-2
Function:	Direct acting
For Fluid Type:	Mineral-based hydraulic fluids, Synthetic hydraulic fluids
Maximum Kinematic Viscosity:	45 - 2000 SSU (6 to 420 cSt)
Valve Material:	Steel (all parts), hardened steel (all operating parts)
Installation Torque:	50 Nm
Operating Temperature:	-34 to 121 °C
Weight:	0.28 kg

Ordering Information

Example:	A	04B2		Z	N
	Relief valve direct acting	Size/type	Pressure range	Adjustment style	Seals

Size / type		Pressure range		Adjustment style		Seals	
Code	Cavity	Code	Max Pressure	Code	Style	Code	Style
A04B2	C10-2 (100 LPM, 420 BAR) / Poppet Type	H	210 BAR	Z	Screw	N	Nitrile
		P	420 BAR				

Order Code
A04B2HZN
A04B2PZN

Leadtime:

Core product items (highlighted yellow) are available from EDC stock with a max order quantity. Check MyParker for standard lead times and real time availability.



Product page

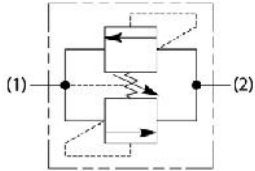


Catalogue

CARTRIDGE VALVES - PRESSURE RELIEF VALVES

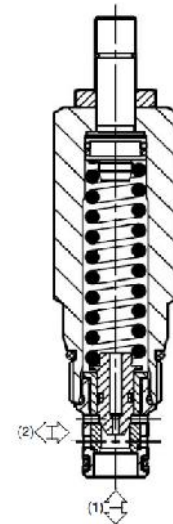
Direct Acting Relief Valve – Series A04J2*

Cross-over relief cartridge valves provide pressure protection to hydraulic motors, cylinders and rotary actuators. 120 lpm, 350 bar, in a single cartridge valve.



Technical Specifications

Flow Rate:	120 l/min
Adjustment Mechanism:	Screw
Seal Material:	Nitrile
Maximum Operating Pressure:	350 bar
Pressure Control Range:	10 to 350 bar
Standard Setting Pressure:	200 bar
Configuration:	Dual cross-over relief
Leak Rate:	0.66 cm ³ /min @ 100 bar
Cavity Size:	C10-2
Function:	Bi-directional
For Fluid Type:	Mineral-based hydraulic fluids, Synthetic hydraulic fluids
Maximum Kinematic Viscosity:	45-2000 SSU (6 to 420 cSt)
Filter Efficiency Rating:	ISO 4406 18/16/13, SAE Class 4
Valve Material:	Steel (all parts), hardened steel (all operating parts)
Installation Torque:	50 Nm
Operating Temperature:	-34 to 121 °C
Weight:	0.29 kg



Ordering Information

Example:

A	04J2	M	Z	N
Relief valve direct acting	Size/type	Pressure range	Adjustment style	Seals

Size / type	
Code	Cavity
A04J2	C10-2 (120 LPM, 350 BAR)

Pressure range	
Code	Max Pressure
M	350 BAR

Adjustment style	
Code	Style
Z	Screw

Seals	
Code	Style
N	Nitrile

Order Code
A04J2MZN

Leadtime:

Core product items (highlighted yellow) are available from EDC stock with a max order quantity. Check MyParker for standard lead times and real time availability.



Product page

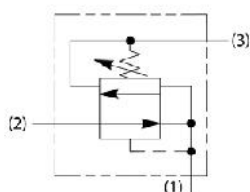


Catalogue

CARTRIDGE VALVES - PRESSURE REGULATING VALVES

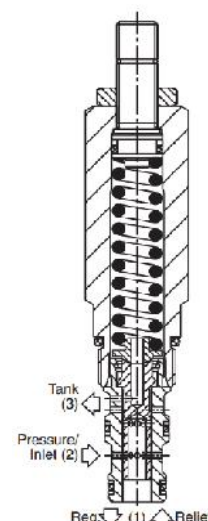
Direct Acting Reducing Valve – Series C02A3*

Parker's direct acting reducing valves are available in several cavity sizes and are designed for continuous duty applications with pressures up to 420 bar and flows up to 200 lpm.



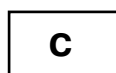
Technical Specifications

Flow Rate:	20 l/min
Adjustment Mechanism:	Screw
Seal Material:	Nitrile
Pressure Control Range:	25 to 75 bar
Adjustment Mechanism:	Screw
Seal Material:	Nitrile
Maximum Operating Pressure:	420 bar
Standard Setting Pressure:	38 bar
Cavity Size:	C08-3
Function:	Direct acting
For Fluid Type:	Mineral-based hydraulic fluids, Synthetic hydraulic fluids
Maximum Kinematic Viscosity:	45 - 2000 SSU (6 to 420 cSt)
Filter Efficiency Rating:	ISO 4406 18/16/13, SAE Class 4
Valve Material:	Steel (all parts), hardened steel (all operating parts)
Installation Torque:	40 Nm
Operating Temperature:	-34 to 121 °C
Weight:	0.2 kg

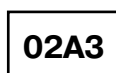


Ordering Information

Example:



Reducing valve
direct acting



Size/type



Pressure
range



Adjustment
style



Seals

Size / type		Pressure range		Adjustment style		Seals	
Code	Cavity	Code	Max Pressure	Code	Style	Code	Style
C02A3	C08-3 (20 LPM, 420 BAR)	E	75 BAR	Z	Screw	N	Nitrile

Order Code

C02A3EZN

Leadtime:

Core product items (highlighted yellow) are available from EDC stock with a max order quantity. Check MyParker for standard lead times and real time availability.



Product page

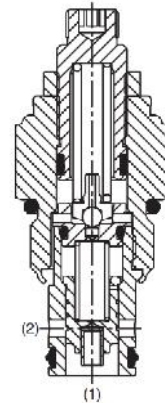
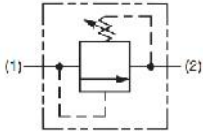


Catalogue

CARTRIDGE VALVES - PILOT OPERATED RELIEF VALVES

Pilot Operated Relief Valves – Series RAH*

Parker's pilot operated relief valves are designed for continuous duty applications featuring great stability with low pressure drop; working with pressures up to 420 bar and flows up to 400 lpm.



Technical Specifications

Maximum Flow Rate:	up to 379 l/min
Seal Material:	Nitrile
Maximum Operating Pressure:	350 bar
Function:	Pilot operated
For Fluid Type:	Mineral-based or synthetic hydraulic fluids
Maximum Kinematic Viscosity:	45 - 2000 SSU (6 to 420 cSt)
Cavity Size:	C08-2 / C10-2 / C12-2 / C16-2 / C20-2
Filter Efficiency Rating:	ISO 4406 18/16/13, SAE Class 4
Operating Temperature:	-34 to +121 °C
Weight:	0.23 - 0.9 kg

Ordering Information

Example:

RAH

Size

S

Adjustment style

Pressure range

Relief valve
pilot operated

Size

Adjustment
style

Pressure
range

Seals

Size		Adjustment style		Pressure range		Seals	
Code	Cavity	Code	Style	Code	Max Pressure	Code	Material
081	C08-2 (75.8 LPM, 350 BAR)	S	Screw	10	69 BAR	Omit	'D'-Ring
				30	207 BAR	N	Nitrile
				50	345 BAR		
101	C10-2 (113 LPM, 350 BAR)	S	Screw	10	69 BAR	Omit	'D'-Ring
				30	207 BAR	N	Nitrile
				50	345 BAR		
121	C12-2 (189.5 LPM, 350 BAR)	S	Screw	10	69 BAR	Omit	Nitrile
161	C16-2 (303 LPM, 350 BAR)			30	207 BAR		
201	C20-2 (379 LPM, 350 BAR)			50	345 BAR		

Order Code

RAH101S10

RAH101S30

RAH101S50

Leadtime:

Core product items (highlighted yellow) are available from EDC stock with a max order quantity. Check MyParker for standard lead times and real time availability.



Product page

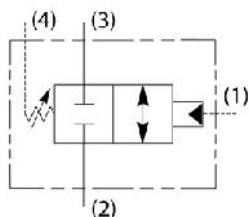


Catalogue

CARTRIDGE VALVES - SEQUENCE VALVES

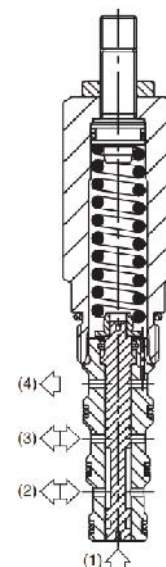
Sequence Valve – Series B04H4*

Parker's direct acting sequence valves can be piloted and vented allowing multiple actuators to work in sequence based on pressure settings; working with flows up to 56 lpm and pressures up to 420 bar.



Technical Specifications

Maximum Flow Rate:	47 l/min
Adjustment Mechanism:	Screw
Pressure Control Range:	2 to 166 bar
Seal Material:	Nitrile
Adjustment Mechanism:	Screw
Seal Material:	Nitrile
Maximum Operating Pressure:	420 bar
Standard Setting Pressure:	80 bar
Cavity Size:	C10-4
For Fluid Type:	Mineral-based hydraulic fluids, Synthetic hydraulic fluids
Maximum Kinematic Viscosity:	45 - 2000 SSU (6 to 420 cSt)
Filter Efficiency Rating:	ISO 4406 18/16/13, SAE Class 4
Valve Material:	Steel (all parts), hardened steel (all operating parts)
Installation Torque:	50 Nm
Operating Temperature:	-34 to 121 °C
Weight:	0.33 kg

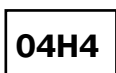


Ordering Information

Example:



Relief valve
direct acting



Size/type



Pressure
range



Adjustment
style



Seals

Size / type		Pressure range		Adjustment style		Seals	
Code	Cavity	Code	Max Pressure	Code	Style	Code	Style
B04H4	C10-4 (47 LPM, 420 BAR)	G	166 BAR	Z	Screw	N	Nitrile

Order Code

B04H4GZN

Leadtime:

Core product items (highlighted yellow) are available from EDC stock with a max order quantity. Check MyParker for standard lead times and real time availability.



Product page

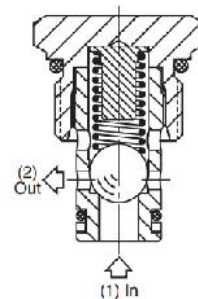
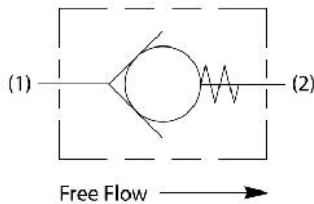


Catalogue

CARTRIDGE VALVES - CHECK & SHUTTLE VALVES

Ball Type Check Valve – Series D02B2/D04B2*

Parker ball type check valves are simple in their design and are used to block flow in one direction, and allow flow in the opposite direction. Capable of flows up to 160 l/min and pressures as high as 420 bar.



Technical Specifications

Maximum Flow Rate:	up to 160 l/min
Cracking Pressure:	0.2 to 6 bar
Seal Material:	Nitrile
Maximum Operating Pressure:	420 bar
Leak Rate:	< 3 drops/min @ 420 bar
Function:	Standard check
Flow Direction:	2-1 checked, 1-2 free flow
Cavity Size:	C08-2 / C10-2
For Fluid Type:	Mineral-based hydraulic fluids, Synthetic hydraulic fluids
Maximum Kinematic Viscosity:	45 - 2000 SSU (6 to 420 cSt)
Filter Efficiency Rating:	ISO 4406 18/16/13, SAE Class 4
Valve Material:	Steel (all parts), hardened steel (all operating parts)
Installation Torque:	40/50 Nm
Operating Temperature:	-34 to 121 °C
Weight:	0.05/0.08 kg

Ordering Information

Example:	D		–		N
	Relief valve direct acting	Size/type		Crack pressure	Seals

Size / type		Crack pressure		Seals	
Code	Cavity	Code	Pressure	Code	Style
02B2	C08-2(80 LPM, 420 BAR)	0.2	0.2 BAR	N	Nitrile
		1.0	1.0 BAR		
		2.1	2.1 BAR		
		3.4	3.4 BAR		
		6.0	6.0 BAR		
04B2	C10-2 (160 LPM, 420 BAR)	0.2	0.2 BAR		
		2.1	2.1 BAR		

Order Code
D02B2-0.2N
D02B2-0.2V
D02B2-1.0N
D02B2-2.1N
D02B2-3.4N
D02B2-6.0N
D04B2-0.2N
D04B2-2.1N

Leadtime:

Core product items (highlighted yellow) are available from EDC stock with a max order quantity. Check MyParker for standard lead times and real time availability.



Product page



Catalogue D04

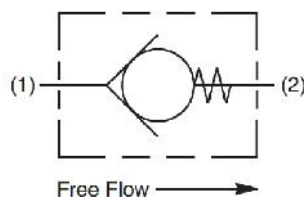


Catalogue D02

CARTRIDGE VALVES - CHECK & SHUTTLE VALVES

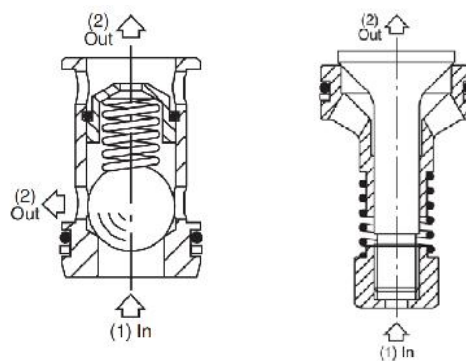
Insert Type Check Valve – Series D1*

Parker's D1* check valve is a insert type check valve designed as an insert cartridge. This style allows the designer to insert the check valve inside the manifold for circuit optimization and space savings.



Technical Specifications

Maximum Flow Rate:	up to 500 l/min
Cracking Pressure:	0.2 - 5 bar
Seal Material:	Nitrile
Maximum Operating Pressure:	420 bar
Leak Rate:	< 3 drops/min
Function:	Check
Flow Direction:	2-1 Checked, 1-2 free flow
Cavity Size:	2U/2C
For Fluid Type:	Mineral-based hydraulic fluids, Synthetic hydraulic fluids
Maximum Kinematic Viscosity:	45 - 2000 SSU (6 to 420 cSt)
Filter Efficiency Rating:	ISO 4406 18/16/13, SAE Class 4
Valve Material:	Steel (all parts), hardened steel (all operating parts)
Operating Temperature:	-34 to 121 °C
Weight:	0.06/0.085 kg



Ordering Information

Example:	D1			–		N
	Check valve	Insert type	Size	Crack pressure	Seals	

Insert type	
Code	Type
A	Ball
B	Poppet

Size / type	
Code	Cavity
060	2U (145 LPM, 420 BAR)
125	2C (500 LPM, 420 BAR)

Crack pressure	
Code	Pressure
0.2	0.2 BAR
0.2	0.2 BAR
1.0	1.0 BAR
5.0	5.0 BAR

Seals	
Code	Style
N	Nitrile

Order Code
D1A060-0.2N
D1B125-0.2N
D1B125-1.0N
D1B125-5.0N

Leadtime:

Core product items (highlighted yellow) are available from EDC stock with a max order quantity. Check MyParker for standard lead times and real time availability.



Product page



Catalogue D1A060

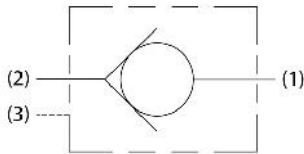


Catalogue D1B125

CARTRIDGE VALVES - CHECK & SHUTTLE VALVES

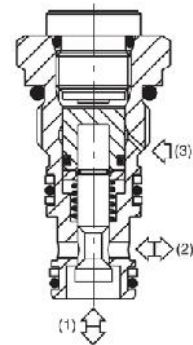
Pilot to Open Check Valve – Series D4A020*

Parker's P.O. check valve assemblies allow flow up to 150 lpm (40 gpm) with pressures up to 420 bar. Return flow can be enabled by an external pilot supply, which shifts the internal poppet into an open position.



Technical Specifications

Maximum Flow Rate:	30 l/min
Cracking Pressure:	5 bar
Seal Material:	Nitrile
Maximum Operating Pressure:	420 bar
Leak Rate:	3 drops/min @ 100 bar
Function:	Single pilot to open check
Flow Direction:	2-1 free flow
Cavity Size:	53-1
For Fluid Type:	Mineral-based hydraulic fluids, Synthetic hydraulic fluids
Maximum Kinematic Viscosity:	45 - 2000 SSU (6 to 420 cSt)
Filter Efficiency Rating:	ISO 4406 18/16/13, SAE Class 4
Valve Material:	Steel (all parts), hardened steel (all operating parts)
Installation Torque:	40 Nm
Operating Temperature:	-34 to 121 °C
Weight:	0.07 kg



Ordering Information

Example:

D	4A020	N
Pilot operated check valve	Size/type	Seals

Size / type	
Code	Cavity
D4A020	53-1 (30 LPM, 420 BAR)

Seals	
Code	Material
N	Nitrile

Order Code

D4A020N

Leadtime:

Core product items (highlighted yellow) are available from EDC stock with a max order quantity. Check MyParker for standard lead times and real time availability.



Product page

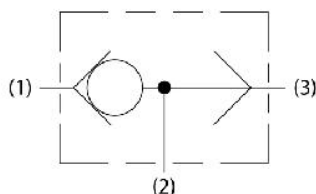


Catalogue

CARTRIDGE VALVES - CHECK & SHUTTLE VALVES

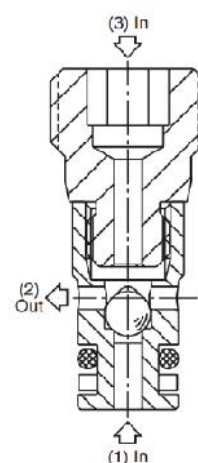
Insert Shuttle Valve – Series KSWA3N

Parker offers insert shuttles that can be buried inside a manifold to create design flexibility and reduce overall size.



Technical Specifications

Maximum Flow Rate:	9.5 l/min
Seal Material:	Nitrile
Maximum Operating Pressure:	420 bar
Leak Rate:	10 drops/min @ 100 bar
Function:	Shuttle
For Fluid Type:	Mineral-based or synthetic hydraulic fluids
Maximum Kinematic Viscosity:	45 - 2000 SSU (6 to 420 cSt)
Filter Efficiency Rating:	ISO 4406 18/16/13, SAE Class 4
Valve Material:	All parts steel. All operating parts hardened steel
Cavity Size:	CAVSW-3
Installation Torque:	10 Nm
Operating Temperature:	-34 to +121 °C
Weight:	0.01 kg



Ordering Information

Example:

KSWA3

N

Size/type

Seals

Size / type	
Code	Cavity
KSWA3	CAVSW-3 (9.5 LPM, 420 BAR)

Seals	
Code	Material
N	Nitrile

Order Code

KSWA3N

Leadtime:

Core product items (highlighted yellow) are available from EDC stock with a max order quantity. Check MyParker for standard lead times and real time availability.



Product page

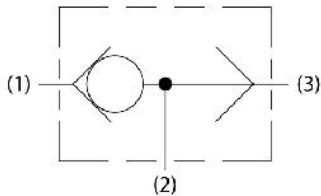


Catalogue

CARTRIDGE VALVES - CHECK & SHUTTLE VALVES

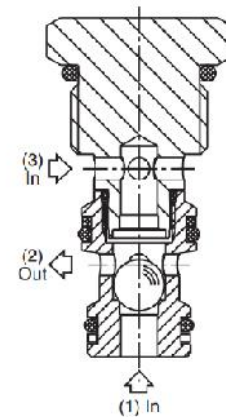
Cartridge Ball Type Shuttle Valve – Series K02A3

Parker's 2-position, 3-way ball type shuttle valves are designed to fit an industry common cavities and allow flows up to 50 lpm and 420 bar.



Technical Specifications

Maximum Flow Rate:	50 l/min
Seal Material:	Nitrile
Maximum Operating Pressure:	420 bar
Leak Rate:	10 drops/min @ 100 bar
Function:	Cartridge ball type, diverter
For Fluid Type:	Mineral-based or synthetic hydraulic fluids
Maximum Kinematic Viscosity:	Mineral-based or synthetic with lubricating properties at viscosities of 45 - 2000 SSU (6 to 420 cSt)
Valve Material:	All parts steel. All operating parts hardened steel
Cavity Size:	C08-3
Installation Torque:	40 Nm
Filter Efficiency Rating:	ISO 4406 18/16/13, SAE Class 4
Operating Temperature:	-34 to +121 °C
Weight:	0.07 kg



Ordering Information

Example:

K02A3

N

Size/type

Seals

Size / type	
Code	Cavity
K02A3	C08-3 (50 LPM, 420 BAR)

Seals	
Code	Material
N	Nitrile

Order Code

K02A3N

Leadtime:

Core product items (highlighted yellow) are available from EDC stock with a max order quantity. Check MyParker for standard lead times and real time availability.



Product page

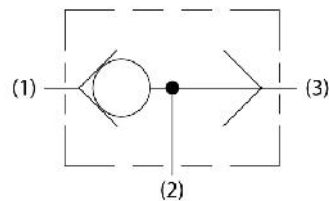


Catalogue

CARTRIDGE VALVES - CHECK & SHUTTLE VALVES

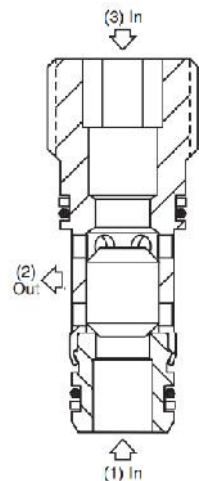
Insert Poppet Type Shuttle Valve – Series K2A005

Parker offers two types of insert shuttles that can be buried inside a manifold to create design flexibility and reduce overall size. 10GPM, 5000 PSI and 2.5GPM, 6000 PSI versions are available.



Technical Specifications

Maximum Flow Rate:	38 l/min
Seal Material:	Nitrile
Maximum Operating Pressure:	350 bar
Leak Rate:	5 drops/min @ 210 bar
Function:	Shuttle
For Fluid Type:	Mineral-based or synthetic hydraulic fluids
Maximum Kinematic Viscosity:	45 - 2000 SSU (6 to 420 cSt)
Valve Material:	All parts steel. All operating parts hardened steel
Cavity Size:	3Z
Installation Torque:	10 Nm
Filter Efficiency Rating:	ISO 4406 18/16/13, SAE Class 4
Operating Temperature:	-34 to +121 °C
Weight:	0.02 kg



Ordering Information

Example:	K2A005	N
	Size/type	Seals

Size / type		Seals	
Code	Cavity	Code	Material
K2A005	3Z (38 LPM, 350 BAR)	N	Nitrile

Order Code
K2A005N

Leadtime:
Core product items (highlighted yellow) are available from EDC stock with a max order quantity. Check MyParker for standard lead times and real time availability.



Product page

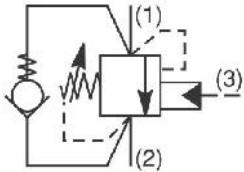


Catalogue

CARTRIDGE VALVES - LOAD CONTROL VALVES

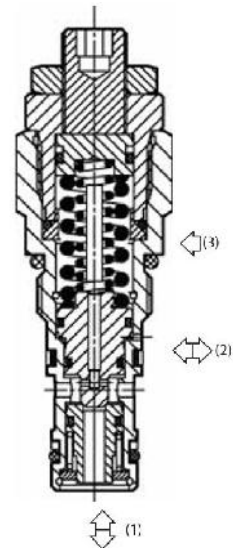
Standard Pilot Assisted Valve - Series E2*

Parker's piloted load control valves are designed to prevent runaway loads under dynamic conditions using a pilot signal, handling pressures up to 420 bar and flows up to 350 lpm.



Technical Specifications

Maximum Flow Rate:	350 l/min
Flow Range:	15 - 350 l/min
Seal Material:	Nitrile
Maximum Operating Pressure:	350/420 bar
Leak Rate:	6 drops/min @ 100 bar
Function:	Counterbalance valve
For Fluid Type:	Mineral-based or synthetic hydraulic fluids
Maximum Kinematic Viscosity:	Mineral-based or synthetic with lubricating properties at viscosities of 45 - 2000 SSU (6 to 420 cSt)
Valve Material:	All parts steel. All operating parts hardened steel
Cavity Size:	53-1 / 68-1 / 3C / 3M / 3K
Installation Torque:	see catalogue
Filter Efficiency Rating:	ISO 4406:1999 Code 18/16/13, SAE Class 4
Operating Temperature:	-34 to +121 °C
Weight:	see catalogue



Ordering Information

Example:

E2



Z

N



Load control
valve

Pilot ratio

Size

Adjustment
style

Seals

Design
code

Pilot ratio / size				Adjustment style		Design code	Seals	
Code	Ratio	Size	Cavity	Code	Style	Code	Code	Material
A	8:1	020	53-1 (14 LPM, 420 BAR)	Z	Screw Adjust	Omit	N	Nitrile
B	4.5:1		53-1 (20 LPM, 420 BAR)					
A	8:1	040	68-1 (60 LPM, 350 BAR)	Z	Screw Adjust	MK3	Order Code	
B	3:1						E2A020ZN	
A	8:1	060	3C (120 LPM, 350 BAR)	Z	Screw Adjust	MK2	E2B020ZN	
B	3:1						E2A040ZNMK3	
H	1.75:1						E2B040ZNMK3	
A	8:1	125	3M (200 LPM, 350 BAR)	Z	Screw Adjust	MK2	E2A060ZNMK2	
E	3:1						E2B060ZNMK2	
A	8:1	300	3K (350 LPM, 350 BAR)	Z	Screw Adjust	MK2	E2H060ZNMK2	
C	3:1						E2A125ZNMK2	

Leadtime:

Core product items (highlighted yellow) are available from EDC stock with a max order quantity. Check MyParker for standard lead times and real time availability.



Product page

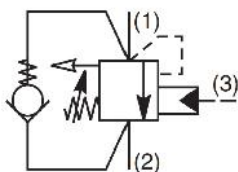


Catalogue

CARTRIDGE VALVES - LOAD CONTROL VALVES

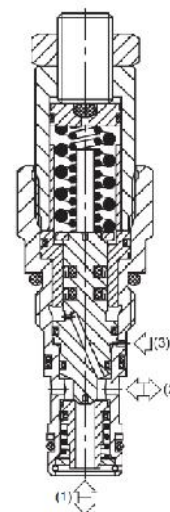
Vented Load Control Valve – Series E6*

Parker's vented load control valves are designed to operate independent of downstream pressure to prevent runaway loads under all dynamic conditions, handling pressures up to 350 bar and flows up to 180 lpm.



Technical Specifications

Maximum Flow Rate:	180 l/min
Flow Rate:	20 - 180 l/min
Seal Material:	Nitrile
Maximum Operating Pressure:	350/420 bar
Function:	Counterbalance valve
For Fluid Type:	Mineral-based or synthetic hydraulic fluids
Maximum Kinematic Viscosity:	Mineral-based or synthetic with lubricating properties at viscosities of 45 - 2000 SSU (6 to 420 cSt)
Valve Material:	All parts steel. All operating parts hardened steel
Cavity Size:	53-1, 68-1 and 3C
Filter Efficiency Rating:	ISO 4406:1999 Code 18/16/13, SAE Class 4
Operating Temperature:	-34 to +121 °C
Weight:	0.08 to 0.53 kg



Ordering Information

Example:

E6			Z	N	
Load control valve	Pilot ratio / Size		Adjustment style	Seals	Design code

Pilot ratio / size				Adjustment style		Seals		Design code
Code	Ratio	Size	Cavity	Code	Style	Code	Material	Code
B	4.5:1	020	53-1 (20 LPM, 350 BAR)	Z	Screw Adjust	N	Nitrile	Omit
K	15:1							
B	3:1	040	68-1 (60 LPM, 350 BAR)	Z	Screw Adjust			MK3
B	3:1	060	3C (180 LPM, 350 BAR)	Z	Screw Adjust			409

Order Code
E6B020ZN
E6B040ZNMK3
E6B060ZN409

Leadtime:

Core product items (highlighted yellow) are available from EDC stock with a max order quantity. Check MyParker for standard lead times and real time availability.



Product page

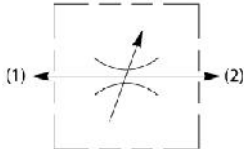


Catalogue

CARTRIDGE VALVES - FLOW CONTROL VALVES

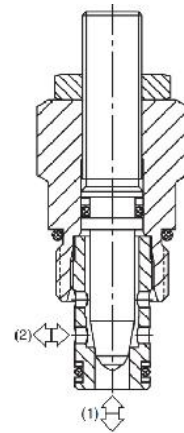
Needle Flow Control Valves – Series J02A2

Parker offers standard needle valves and needle valves with a reverse free-flow check. Parker's needle valves are non-compensated adjustable orifices capable of flows up to 225 lpm (60 gpm) and pressures as high as 420 bar (6000 psi).



Technical Specifications

Maximum Flow Rate:	45 l/min
Seal Material:	Nitrile
Maximum Operating Pressure:	420 bar
Function:	2-way
For Fluid Type:	Mineral-based or synthetic hydraulic fluids
Maximum Kinematic Viscosity:	45 - 2000 SSU (6 to 420 cSt)
Valve Material:	All parts steel. All operating parts hardened steel
Cavity Size:	C08-2
Filter Efficiency Rating:	ISO 4406 18/16/13, SAE Class 4
Operating Temperature:	-34 to +121 °C
Weight:	0.11 kg



Ordering Information

Example:

J	02	A2	Z	N
Needle valve	Size	Style	Adjustment style	Seals

Size		Style		Adjustment style		Seals	
Code	Cavity	Code	Style	Code	Style	Code	Material
02	C08-2 (45 LPM, 420 BAR)	A2	Restrictive	Z	Screw	N	Nitrile

Order Code

J02A2ZN

Leadtime:

Core product items (highlighted yellow) are available from EDC stock with a max order quantity. Check MyParker for standard lead times and real time availability.



Product page

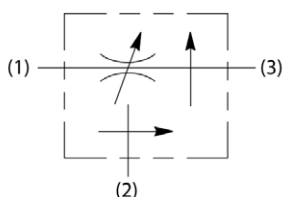


Catalogue

CARTRIDGE VALVES - FLOW REGULATING VALVES

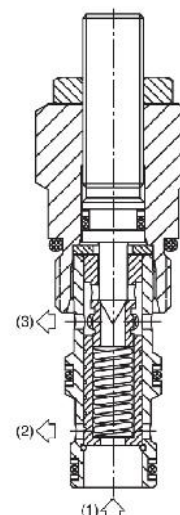
Pressure Compensated Priority Flow Control Valves – Series J***

Pressure compensated priority flow control valves maintain constant flow regardless of inlet pressure. Flow up to 150 lpm and pressure up to 420 bar; excess flow is diverted once the priority flow requirement is met.



Technical Specifications

Maximum Flow Rate:	see catalogue
Seal Material:	Nitrile
Maximum Operating Pressure:	420 bar
Function:	Flow regulator valve
For Fluid Type:	Mineral-based or synthetic hydraulic fluids
Maximum Kinematic Viscosity:	45 - 2000 SSU (6 to 420 cSt)
Valve Material:	All parts steel. All operating parts hardened steel
Cavity Size:	C08-3
Filter Efficiency Rating:	ISO 4406 18/16/13, SAE Class 4
Operating Temperature:	-34 to +121 °C
Weight:	0.08 kg



Ordering Information

Example:

J	02D3	Z	N
Load control valve	Size	Adjustment style	Seals

Size		Adjustment style		Seals	
Code	Cavity	Code	Style	Code	Material
02D3	C08-3 (15 LPM, 420 BAR)	Z	Screw Adjust	N	Nitrile

Order Code

J02D3ZN

Leadtime:

Core product items (highlighted yellow) are available from EDC stock with a max order quantity. Check MyParker for standard lead times and real time availability.



Product page

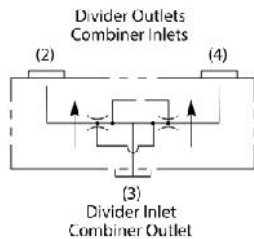


Catalogue

CARTRIDGE VALVES - FLOW CONTROL VALVES

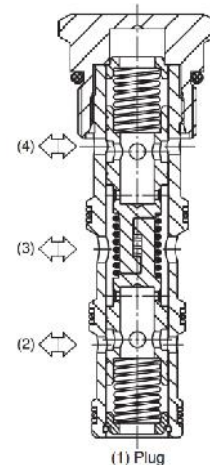
Flow Divider/Combiner Valves – Series L06A3*

Parker offers different flow divider/combiner valves to cover a wide range of flows up to 180 lpm and pressures as high as 420 bar.



Technical Specifications

Maximum Flow Rate:	180 l/min
Seal Material:	Nitrile
Maximum Operating Pressure:	420 bar
Function:	Flow divider/combiner
For Fluid Type:	Mineral-based or synthetic hydraulic fluids
Maximum Kinematic Viscosity:	45 - 2000 SSU (6 to 420 cSt)
Valve Material:	All parts steel. All operating parts hardened steel
Cavity Size:	C16-4
Filter Efficiency Rating:	ISO 4406 18/16/13, SAE Class 4
Operating Temperature:	-34 to +121 °C
Weight:	0.4 kg



Ordering Information

Example:

L06A3		N
Flow divider combiner valve	Flow rating / ratio	Seals

Size	
Code	Cavity
L06A3	C16-4 (180 LPM, 420 BAR)

Flow rating / ratio	
Code	Total Flow Rating - Port 3 (Flow Ratio)
45-45	25-90 LPM (50/50 Ratio)
60-60	35-120 LPM (50/50 Ratio)
90-90	65-180 LPM (50/50 Ratio)

Seals	
Code	Material
N	Nitrile

Order Code

L06A3-45-45N

Leadtime:

Core product items (highlighted yellow) are available from EDC stock with a max order quantity. Check MyParker for standard lead times and real time availability.



Product page

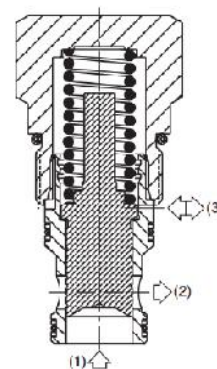
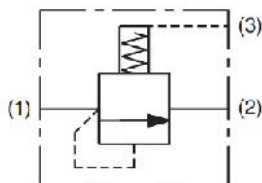


Catalogue

CARTRIDGE VALVES - DIVERTER VALVES

Spool Type Logic Elements – Series R0*E3

Parker offers an extensive line of spool type logic elements for direction, pressure and flow control. Normally-open and Normally-closed, internal or external pilots, pressures up to 420 bar and flows up to 500 lpm.



Technical Specifications

Maximum Flow Rate:	500 l/min
Flow Rate:	170 - 500 l/min
Seal Material:	Nitrile
Maximum Operating Pressure:	420 bar
Function:	Logic valve
For Fluid Type:	Mineral-based or synthetic hydraulic fluids
Maximum Kinematic Viscosity:	45 - 2000 SSU (6 to 420 cSt)
Valve Material:	All parts steel. All operating parts hardened steel
Cavity Size:	C10-3S / C16-3S / C20-3S
Filter Efficiency Rating:	ISO 4406 18/16/13, SAE Class 4
Operating Temperature:	-34 to +121 °C
Weight:	see catalogue

Ordering Information

Example:

R		E3	—		N
Logic element spool type	Size	Normally closed	Bias spring	Seals	

Size	
Code	Cavity
04	C10-3S (170 LPM, 420 BAR)
06	C16-3S (400 LPM, 420 BAR)
08	C20-3S (500 LPM, 420 BAR)

Bias spring	
Code	Range
5.0	5 BAR
5.5	5.5 BAR
10.0	10 BAR
15.0	15 BAR

Seals	
Code	Material
N	Nitrile

Order Code
R04E3-5.0N
R06E3-5.5N
R06E3-10.0N
R06E3-15.0N
R08E3-10.0N
R08E3-15.0N

Leadtime:

Core product items (highlighted yellow) are available from EDC stock with a max order quantity. Check MyParker for standard lead times and real time availability.



Product page

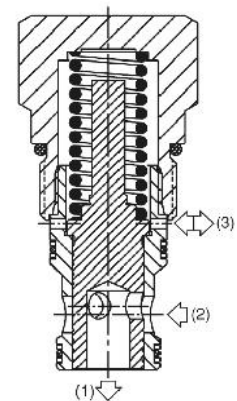
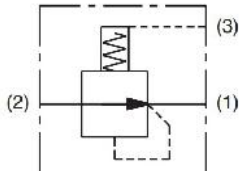


Catalogue

CARTRIDGE VALVES - LOGIC ELEMENT VALVES

Spool Type Logic Elements – Series R06H3*

Parker offers an extensive line of spool type logic elements for direction, pressure and flow control. Normally-open and Normally-closed, internal or external pilots, pressures up to 420 bar and flows up to 160 lpm.



Technical Specifications

Maximum Flow Rate:	160 l/min
Seal Material:	Nitrile
Maximum Operating Pressure:	420 bar
Function:	Logic valve
For Fluid Type:	Mineral-based or synthetic hydraulic fluids
Maximum Kinematic Viscosity:	45 - 2000 SSU (6 to 420 cSt)
Valve Material:	All parts steel. All operating parts hardened steel
Cavity Size:	C16-3S
Filter Efficiency Rating:	ISO 4406 18/16/13, SAE Class 4
Operating Temperature:	-34 to +121 °C
Weight:	0.38 kg

Ordering Information

Example:

R	06	H3	–		N
Logic element spool type	Size	Normally open		Bias spring	Seals

Size	
Code	Cavity
06	C16-3S (160 LPM, 420 BAR)

Bias spring	
Code	Range
5.5	5.5 BAR
10.0	10 BAR
15.0	15 BAR

Seals	
Code	Material
N	Nitrile

Order Code

R06H3-5.5N
R06H3-10.0N
R06H3-15.0N

Leadtime:

Core product items (highlighted yellow) are available from EDC stock with a max order quantity. Check MyParker for standard lead times and real time availability.



Product page

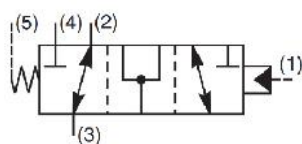


Catalogue

CARTRIDGE VALVES - DIRECTIONAL CONTROL VALVES

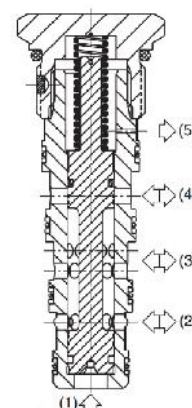
3-Way/2-Position Pilot Operated Directional Control Valves – Series N5*

Parker's N5 valves are 3-way 2-position spool-type pilot-operated cartridge valves that can be used to control direction, pressure, or flow. All N5's are rated for 420 bar with flow options up to 400 lpm.



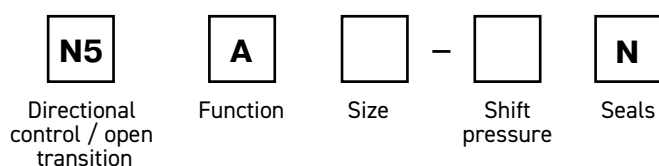
Technical Specifications

Maximum Flow Rate:	400 l/min
Flow Range:	160 - 400 l/min
Seal Material:	Nitrile
Maximum Operating Pressure:	420 bar
Function:	Diverter
For Fluid Type:	Mineral-based or synthetic hydraulic fluids
Maximum Kinematic Viscosity:	45 - 2000 SSU (6 to 420 cSt)
Valve Material:	All parts steel. All operating parts hardened steel
Cavity Size:	5A / 100-1
Installation Torque:	see catalogue
Filter Efficiency Rating:	ISO 4406 18/16/13, SAE Class 4
Operating Temperature:	-34 to +121 °C
Weight:	see catalogue



Ordering Information

Example:



Function		Size		Shift pressure		Seals	
Code	Function	Code	Cavity	Code	Pressure	Code	Material
A	All Ports Open	125	5A (160 LPM, 420 BAR)	5.0	5 BAR	N	Nitrile
		300	100-1 (400 LPM, 420 BAR)	6.9	6.9 BAR		
				10.0	10 BAR		

Order Code
N5A125-5.0N
N5A125-6.9N
N5A125-10.0N
N5A300-6.9N
N5A300-10.0N

Leadtime:

Core product items (highlighted yellow) are available from EDC stock with a max order quantity. Check MyParker for standard lead times and real time availability.



Product page

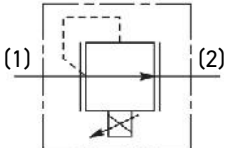


Catalogue

CARTRIDGE VALVES - PROPORTIONAL VALVES

Pressure Relieving Proportional Valves – Series AP0*

Parker's selection of proportional pressure relieving valves are for applications that require dynamic relieving and valves that are capable of flows up to 95 lpm and pressures as high as 350 bar.



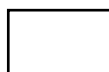
Technical Specifications

Maximum Flow Rate:	95 l/min
Flow Range:	1.3 - 95 l/min
Seal Material:	Nitrile
Maximum Operating Pressure:	350 bar
Function:	Proportional pressure relief
For Fluid Type:	Mineral-based hydraulic fluids, Synthetic hydraulic fluids
Maximum Kinematic Viscosity:	45 - 2000 SSU (6 to 420 cSt)
Cavity Size:	C08-2 / C10-2
Filter Efficiency Rating:	ISO 4406 18/16/13, SAE Class 4
Operating Temperature:	-34 to 121 °C
Weight:	0.06 to 0.14 kg



Ordering Information

Example:



Proportional valve/relieving

Size

Function

Shift pressure

Seals

Variation

Size		Function		Pressure setting		Seals		Variation	
Code	Cavity	Code	Function	Code	Setting	Code	Material	Code	Option
02B2	C08-2	YP	Increase Pressure / Increase Current / Direct acting	21C	210 BAR (3 LPM)	Omit	'D'-Ring	Omit	Standard
				35C	350 BAR (1.3 LPM)	N	Nitrile		
		YR	Decrease Pressure / Increase Current / Direct acting	21A	210 BAR (3 LPM)			L	Low
				35A	350 BAR (1.3 LPM)				
04G2	C10-2	YP	Increase Pressure / Increase Current / Pilot operated	21C	210 BAR (95 LPM)	N	Nitrile	Omit	Standard
				35C	350 BAR (95 LPM)	V	Viton		
		YR	Decrease Pressure / Increase Current / Pilot operated						

Coil	
Model	Super Coil
AP02B2YP	CC (1/2")
AP02B2YR	CA (5/8")
AP04G2*	CC (1/2")

Coil(s) sold separately. Please see section CE for more information.

Order Code	Order Code
AP02B2YP21CN	AP02B2YR35AVL
AP02B2YP35CN	AP04G2YR10CN
AP02B2YR35AL	AP04G2YR10CV
AP02B2YR35ANL	AP04G2YR21CN

Leadtime:

Core product items (highlighted yellow) are available from EDC stock with a max order quantity. Check MyParker for standard lead times and real time availability.



Product page

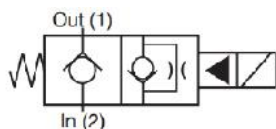


Catalogue

CARTRIDGE VALVES - ON/OFF SOLENOID VALVES

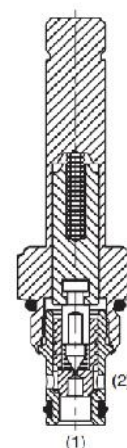
2-Way Poppet Type Solenoid Valve – Series DS*1*

Parker's 2-way poppet solenoid valves check flow in one direction with very low leakage and free flow opposite; normally-open or normally-closed configurations available. Capable of pressures up to 350 bar and flows up to 150 lpm.



Technical Specifications

Maximum Flow Rate:	150 l/min
Seal Material:	D-Ring (standard), nitrile, fluorocarbon
Maximum Operating Pressure:	350 bar
Function:	2-way
For Fluid Type:	Mineral-based or synthetic hydraulic fluids
Maximum Kinematic Viscosity:	45 - 2000 SSU (6 to 420 cSt)
Cavity Size:	C08-2, C10-2, C16-2
Filter Efficiency Rating:	ISO 4406 18/16/13, SAE Class 4
Operating Temperature:	-34 to +121 °C
Weight:	see catalogue



Ordering Information

Example:

DS			1			
Solenoid Valve	Pressure	Size	Poppet Type	Function	Override	Seals

Pressure		Size		Function		Override		Seals			Coil	
Code	Pressure	Code	Size	Code	Function	Code	Option	Size	Code	Material	Model	Super Coil
H	350 BAR	08	C08-2 (30 LPM)	C	Normally Closed, Metered Rev. Flow	Omit	None	08	Omit	'D'-Ring	DSH081	CC (1/2")
		10	C10-2 (60 LPM)	CR	Normally Closed, Free Rev. Flow	T	Push & Twist (N.C. & N.O.)	08	V	Viton	DSH101	CA (5/8")
		16	C16-2 (150 LPM)	N	Normally Open, Metered Rev. Flow			10	Omit	'D'-Ring	DSH161	CA (5/8")
				NR	Normally Open, Free Rev. Flow			12	Omit	Nitrile		
								16	Omit	Nitrile		

Coil(s) sold separately.
Please see section CE for
more information.

Order Code	Order Code
DSH081C	DSH101NR
DSH081CN	DSH161CR
DSH081CR	DSL081C
DSH081CRN	DSL081CHR
DSH081N	DSL081CR
DSH081NR	DSL081CRN
DSH101CR	DSL081CRV

Leadtime:

Core product items (highlighted yellow) are available from EDC stock with a max order quantity. Check MyParker for standard lead times and real time availability.



Product page

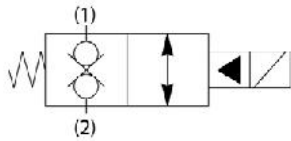


Catalogue

CARTRIDGE VALVES - ON/OFF SOLENOID VALVES

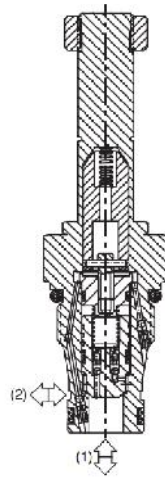
2-Way Poppet Type Bi-Directional Solenoid Valves – Series GS0481*

Parker's 2-way bi-directional poppet solenoid valves block flow both directions with very low leakage and are available in normally-open or normally closed configurations. Pressures up to 350 bar, flows up to 285 lpm.



Technical Specifications

Maximum Flow Rate:	76 l/min
Seal Material:	Nitrile
Maximum Operating Pressure:	350 bar
Function:	2-way
For Fluid Type:	Mineral-based or synthetic hydraulic fluids
Maximum Kinematic Viscosity:	45-2000 SSU (6 to 420 cSt)
Cavity Size:	2R
Installation Torque:	34 Nm
Filter Efficiency Rating:	ISO 4406 18/16/13, SAE Class 4
Operating Temperature:	-34 to +121 °C
Weight:	0.17 kg



Ordering Information

Example:

GS	04	81		0	N
Solenoid valve	Size	Style	Override	Screen	Seals

Size		Style		Override		Screen		Seals	
Code	Size	Code	Function	Code	Option	Code	Option	Code	Material
04	2R (68 LPM 350 BAR)	81	High Pressure ('SP' Coil)	Omit	None	0	None	N	Nitrile
				2	Non-Detented				

Coil
CC Super Coil 1/2"

Coil(s) sold separately.
Please see section CE for more information.

Order Code
GS048100N

Leadtime:

Core product items (highlighted yellow) are available from EDC stock with a max order quantity. Check MyParker for standard lead times and real time availability.



Product page

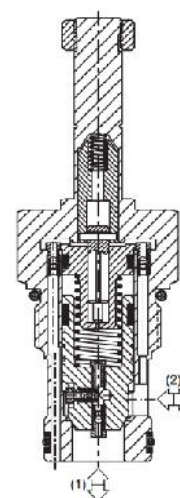
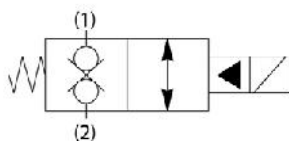


Catalogue

CARTRIDGE VALVES - ON/OFF SOLENOID VALVES

2-Way Poppet Type Bi-Directional Solenoid Valve – Series GS0681 *

Parker's 2-way bi-directional poppet solenoid valves block flow both directions with very low leakage and are available in normally-open or normally closed configurations. Pressures up to 350 bar, flows up to 285 lpm.



Technical Specifications

Maximum Flow Rate:	285 l/min
Seal Material:	Nitrile
Maximum Operating Pressure:	350 bar
Function:	2-way
For Fluid Type:	Mineral-based or synthetic hydraulic fluids
Maximum Kinematic Viscosity:	45 - 2000 SSU (6 to 420 cSt)
Cavity Size:	C16-2
Filter Efficiency Rating:	ISO 4406 18/16/13, SAE Class 4
Operating Temperature:	-34 to +121 °C
Weight:	0.4 kg

Ordering Information

Example:

GS	06	81		0	N
Solenoid valve	Size	Style	Override	Screen	Seals

Size		Style		Override		Screen		Seals	
Code	Size	Code	Function	Code	Option	Code	Option	Code	Material
06	C16-2 (285 LPM 350 BAR)	81	High Pressure ('SP' Coil)	Omit	None	0	None	N	Nitrile
				2	Non-Detented				

Coil
CC Super Coil 1/2"

Coil(s) sold separately.
Please see section CE for more information.

Order Code
GS068100N

Leadtime:

Core product items (highlighted yellow) are available from EDC stock with a max order quantity. Check MyParker for standard lead times and real time availability.



Product page



Catalogue

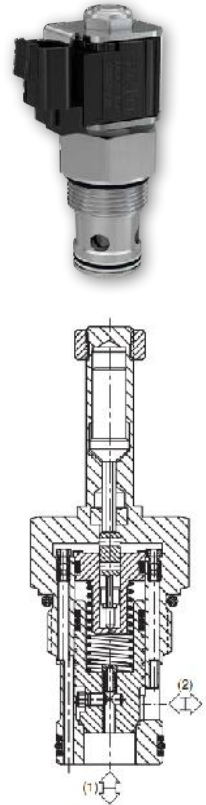
CARTRIDGE VALVES - ON/OFF SOLENOID VALVES

2-Way Poppet Type Bi-Directional Solenoid Valve – Series GS0686*

Parker's 2-way bi-directional poppet solenoid valves block flow both directions with very low leakage and are available in normally-open or normally closed configurations. Pressures up to 350 bar, flows up to 285 lpm.

Technical Specifications

Maximum Flow Rate:	285 l/min
Seal Material:	Nitrile
Maximum Operating Pressure:	350 bar
Function:	2-way
For Fluid Type:	Mineral-based or synthetic hydraulic fluids
Maximum Kinematic Viscosity:	45 - 2000 SSU (6 to 420 cSt)
Cavity Size:	C16-2
Filter Efficiency Rating:	ISO 4406 18/16/13, SAE Class 4
Operating Temperature:	-34 to +121 °C
Weight:	0.4 kg



Ordering Information

Example:

GS	06	86		0	N
Solenoid valve	Size	Style	Override	Screen	Seals

Size		Style		Override		Screen		Seals	
Code	Size	Code	Function	Code	Option	Code	Option	Code	Material
06	C16-2 (285 LPM 350 BAR)	86	High Pressure ('SP' Coil)	Omit	None	0	None	N	Nitrile
				1	Manual Override				

Coil
CC Super Coil 1/2"

Coil(s) sold separately.
Please see section CE for more information.

Order Code

GS068600N

Leadtime:

Core product items (highlighted yellow) are available from EDC stock with a max order quantity. Check MyParker for standard lead times and real time availability.



Product page

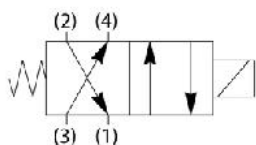


Catalogue

CARTRIDGE VALVES - ON/OFF SOLENOID VALVES

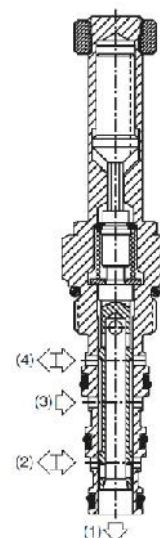
4-Way 2-Position Spool Type Solenoid Valve – Series GS0242*

Parker's direct acting 4-way, 2-position spool-type solenoids offer a simple electronic solution for actuation or reversing applications; available with flows up to 113 lpm and pressures as high as 350 bar.



Technical Specifications

Maximum Flow Rate:	19 l/min
Seal Material:	Nitrile
Maximum Operating Pressure:	350 bar
Function:	4-way
For Fluid Type:	Mineral-based or synthetic hydraulic fluids
Maximum Kinematic Viscosity:	45 - 2000 SSU (6 to 420 cSt)
Cavity Size:	C08-4
Filter Efficiency Rating:	ISO 4406 18/16/13, SAE Class 4
Operating Temperature:	-34 to +121 °C
Weight:	0.3 kg



Ordering Information

Example:

GS	02	42		0	N
Solenoid valve	Size	Spool Function	Override	Screen	Seals

Size		Spool Function		Override		Screen		Seals		Coil	
Code	Size	Code	Function	Code	Option	Code	Option	Code	Material	Model	Super Coil
02	C08-4 (19 LPM 350 BAR)	42		0	None	0	None	N	Nitrile	GS0242*	CC (1/2")
				1	None-Detented						
				2	Detented						

Coil(s) sold separately.
Please see section CE
for more information.

Order Code

GS024200N

Leadtime:

Core product items (highlighted yellow) are available from EDC stock with a max order quantity. Check MyParker for standard lead times and real time availability.



Product page

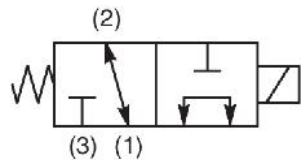


Catalogue

CARTRIDGE VALVES - ON/OFF SOLENOID VALVES

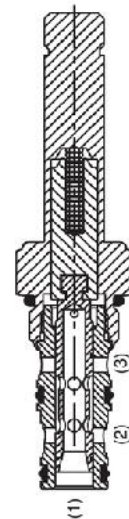
3-Way Spool Type Solenoid Valve – Series DS*3*

High pressure solenoid valves are direct acting 3-way, 2-position spool-type to cover a wide range of flows up to 57 lpm (15 gpm) and pressures as high as 350 bar. These screw-in cartridge valves are fast to respond to coil voltage.



Technical Specifications

Maximum Flow Rate:	see catalogue
Seal Material:	D-Ring (standard)
Maximum Operating Pressure:	350 bar
Function:	3-way
For Fluid Type:	Mineral-based or synthetic hydraulic fluids
Maximum Kinematic Viscosity:	45 - 2000 SSU (6 to 420 cSt)
Cavity Size:	C08-2, C10-3
Filter Efficiency Rating:	ISO 4406 18/16/13, SAE Class 4
Operating Temperature:	-34 to +204 °C
Weight:	0.13 to 0.59 kg



Ordering Information

Example:

DS			3			
Solenoid Valve	Pressure	Size	Spool Type	Spool Function	Override	Seals

Pressure		Size		Spool Function		Override		Seals		Coil	
Code	Pressure	Code	Size	Code	Function	Code	Option	Code	Material	Model	Super Coil
L	210 BAR	08	C08-3	A N.O. 11.3 LPM N.C. 7.5 LPM Selector 7.5 LPM		Omit	None	Omit	'D'-Ring	DSH083	CC (1/2")
H	350 BAR	10	C10-3	B N.C. 15 LPM Selector 15 LPM		T	Push & Twist (N.C. & N.O.)	N	Nitrile	DSH103	CA (5/8")
				N N.O. 11.3 LPM Selector 15 LPM							

Coil(s) sold separately. Please see section CE for more information.

Order Code
DSL083A
DSL083B
DSL103N
DSH083A
DSH103NN

Leadtime:

Core product items (highlighted yellow) are available from EDC stock with a max order quantity. Check MyParker for standard lead times and real time availability.



Product page

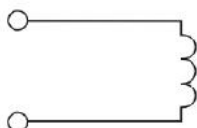


Catalogue

CARTRIDGE VALVES - COILS

1/2" and 5/8" Super Coil – Series CC*/CA*

Parker's broad range of solenoid and proportional cartridge valves are complemented by a wide selection of options in the Super Coil series of IP69K DC and AC coils. Multiple voltage and termination styles are standard cataloged options.



Technical Specifications

Input Voltage:	12 VDC, 24 VDC
Connection Type:	DIN, Integral Deutsch, Integral Deutsch w/Anti-vibration ring, Integral Deutsch w/Anti-vibration ring and Zener Diode, dual lead wire, dual spade, dual lead wire w/Conduit
Duty Cycle:	Continuous @ 100 % voltage
Function:	1/2" super coil
Coil Type:	Puissant, standard
Maximum Operating Temperature:	+200 °C
Minimum Operating Temperature:	-40 °C
Weight:	0.2 kg

Ordering Information

Example:

C				N
Super coil / size	Wattage	Voltage	Termination	Seals

Size		Wattage				Voltage		Termination		Seals	
Code	I.D. Size	Code	Wattage	Watt (DC Coil)	Watt (AC Coil)	Code	Voltage	Code	Termination	Code	Material
CC	1/2"	S	Standard	14w (CC)	16w (CC)	012	12 VDC	H	Integral Deutsch	N	Nitrile
CA	5/8"			18W (CA)	18W (CA)	024	24 VDC	HSN	Integral Deutsch w/ Anti-Vibration ring		
		P	Puissant	19W (CC)	19W (CC)			HSZN	Integral Deutsch w/ Anti-Vibration ring and Zener diode		
				22W(CA)	28W (CC)			L	Double Lead Wire		
								S	Double Spade		
								D	DIN 43650 (Supplied without connector)		
						115	115 VAC	C	Double Lead Wire with Conduit Connector		
								D	DIN 43650 (Supplied without connector)		

Order Code
CCS024D
CAP024H
CAP024D
CCP012H
CCP024A
CCP024D
CCP024H
CCP024HE

Leadtime:

Core product items (highlighted yellow) are available from EDC stock with a max order quantity. Check MyParker for standard lead times and real time availability.



Product page

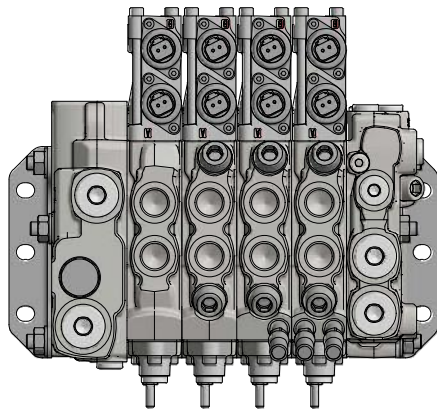


Catalogue

DIRECTIONAL CONTROL VALVES

Mobile Directional Control Valves – Series L90LS

Parker's L90LS mobile valve is characterized by industry leading properties regarding robustness, control precision and energy efficiency. Parker L90LS is a sectional-built, load sensing, directional control valve for mobile machinery.



Technical Specifications

Product Series:	Mobile directional control valve
Valve Type:	Sectional
Valve Configuration:	Load sensing
Operation Type:	Manual control, hydraulic control, pneumatic control, electro-hydraulic control
Function:	Normally closed, 4-way
Maximum Flow Rate:	125 l/min
Connection Type:	BSP, UNF
Maximum Operating Pressure:	330 bar
Maximum Operating Temperature:	+90 °C
Minimum Operating Temperature:	+20 °C
For Fluid Type:	Hydraulic fluids
Seal Material:	HNBR, NBR

Leadtime:
25 working days.



Product page

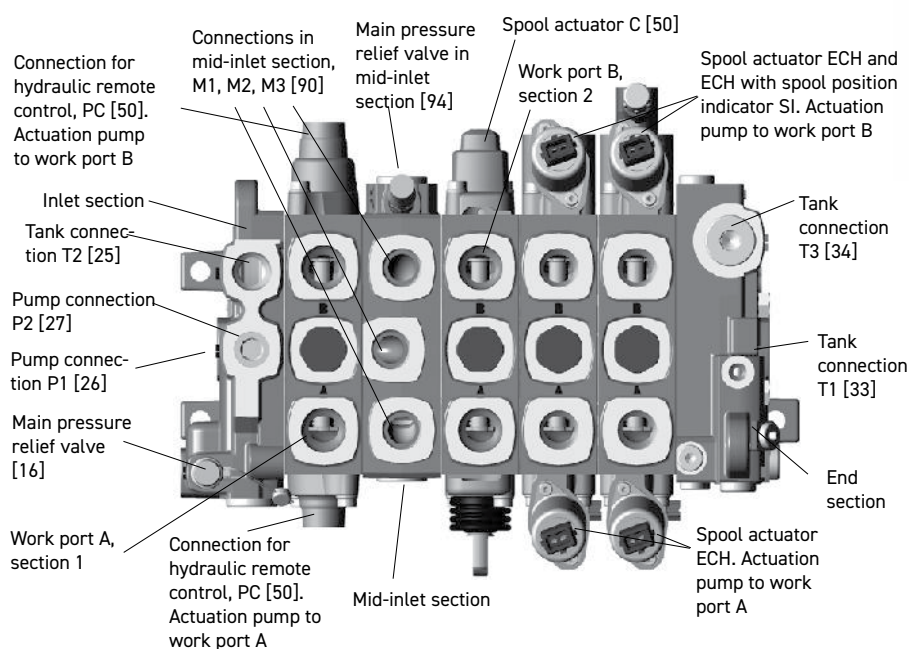


Catalogue

DIRECTIONAL CONTROL VALVES

Mobile Directional Control Valves – Series P70

Parker P70LS is a robust mobile valve with excellent controllability for single or sequenced used functions. It is a sectional-built, directional control valve for mobile machinery used in open center systems.



Technical Specifications

Product Series:	Mobile directional control valve
Valve Type:	Sectional
Valve Configuration:	Open center
Operation Type:	Hydraulic Control, electro-hydraulic control
Function:	Normally closed, 4-way
Maximum Flow Rate:	125 l/min
Connection Type:	BSP, UNF
Maximum Operating Pressure:	320 bar
Maximum Operating Temperature:	+90 °C
Minimum Operating Temperature:	+20 °C
For Fluid Type:	Hydraulic fluids
Seal Material:	HNBR, NBR

Leadtime:
30 working days.



Product page

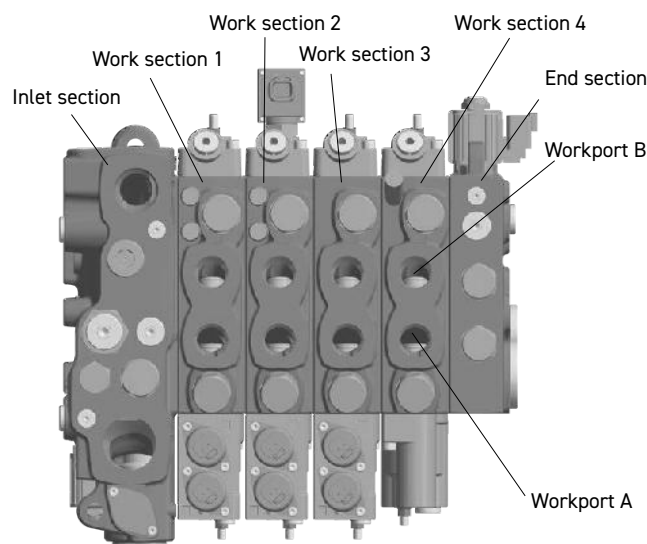


Catalogue

DIRECTIONAL CONTROL VALVES

Mobile Directional Control Valves – Series VA130, VA300, VA450

With the VA product series, Parker has introduced the next generation of pre-compensated load sensing valves, based on many years of experience with L90LS and K220LS. Specially designed for mobile machinery applications.



Technical Specifications

Product Series:	Mobile directional control valve
Actuation Type:	Electric, oil pilot, proportional, solenoid
Valve Type:	Directional control, proportional, Pressure compensated
Valve Configuration:	Load sensing
Function:	Normally closed, 4-way
Maximum Flow Rate:	450 l/min
Connection Type:	BSP, UNF, Metric
Maximum Operating Pressure:	370 bar
Maximum Operating Temperature:	+90 °C
Minimum Operating Temperature:	+20 °C
For Fluid Type:	Hydraulic oil
Seal Material:	HNBR, NBR

Leadtime:

This is new products and the majority of the projects coming in require new prototypes which have different lead times.
"For prototype and serial lead time please discuss with your assigned sales contact".



Product page
VA130



Catalogue
VA130



Product page
VA300



Catalogue
VA300



Product page
VA450



Catalogue
VA450

DIRECTIONAL CONTROL VALVES

Mobile Directional Control Valves – Series M402

Parker M402LS mobile valve is characterized by industry leading properties regarding robustness, control precision and energy efficiency. Parker M402LS is a monoblock valve designed for mobile machinery used in load sensing systems.



Technical Specifications

Product Series:	Mobile directional control valve
Valve Type:	Monoblock
Valve Configuration:	Load sensing
Function:	Normally closed, 4-way
Maximum Flow Rate:	500 l/min
Connection Type:	UNF, Metric
Maximum Operating Pressure:	375 bar
Maximum Operating Temperature:	+90 °C
Minimum Operating Temperature:	+20 °C
For Fluid Type:	Hydraulic fluids
Seal Material:	HNBR, NBR
Operation Type:	Hydraulic Control, Electro-hydraulic Control

Leadtime:
30 working days.



Product page

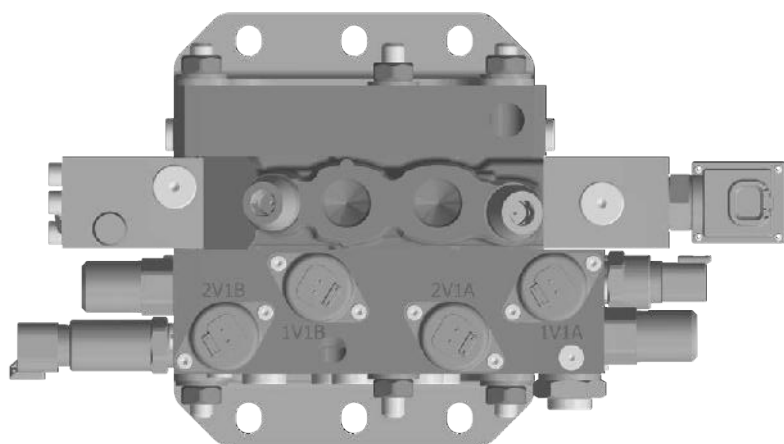


Catalogue

DIRECTIONAL CONTROL VALVES

Mobile Directional Control Valves – Series SBW110

SBW110 is a mobile valve designed for steering, intended for use in Steer-by-Wire systems. The SBW110 is a pre-compensated load sensing, directional control valve characterized by industry leading properties regarding robustness and control precision.



Technical Specifications

Product Series:	Mobile directional control valve
Valve Type:	Sectional
Valve Configuration:	Load sensing
Function:	Normally closed, 4-way
Maximum Flow Rate:	110 l/min
Connection Type:	BSP, UNF
Maximum Operating Pressure:	330 bar
Maximum Operating Temperature:	+90 °C
Minimum Operating Temperature:	+20 °C
For Fluid Type:	Hydraulic fluids
Seal Material:	HNBR, NBR
Operation Type:	Electro-hydraulic control

Leadtime:
30 working days.



Product page



Catalogue

PNEUMATIC SOLENOID VALVE

For Extreme Environments – Series Viking Xtreme



Viking Xtreme Valve - Lever 90° to ports operated

- 4 Sizes from G1/8 to G1/2
- Large range of flow from Qn 660 NI/mn to 2700 NI/mn
- Maximum operating pressure up to 16 bar (Sizes G1/8 & G1/4) or 12 bar (Sizes G3/8 & G1/2)
- Large operating temperature from -40 °C to +60 °C
- Anodised aluminum body



Viking Xtreme Valve - Pneumatic Remote Pilot operated

- 4 Sizes from G1/8 to G1/2
- Large range of flow from Qn 660 NI/mn to 2700 NI/mn
- Short change over time
- Maximum operating pressure up to 16 bar (Sizes G1/8 & G1/4) or 12 bar (Sizes G3/8 & G1/2)
- Large operating temperature from -40 °C to +60 °C
- Anodised aluminum body

Ordering Information & Technical Specifications

Size	Lever/Spring	Order code	Lever/Lever	Order code
3/2 valves				
G1/8		P2LAX311VS		P2LAX311VV
G1/4		P2LBX312VS		P2LBX312VV
G3/8		P2LCX313VS		P2LCX313VV
G1/2		P2LDX314VS		P2LDX314VV
5/2 valves				
G1/8		P2LAX511VS		P2LAX511VV
G1/4		P2LBX512VS		P2LBX512VV
G3/8		P2LCX513VS		P2LCX513VV
G1/2		P2LDX514VS		P2LDX514VV

Size	Air/Spring	Order code	Air/Air	Order code
3/2 valves				
G1/8		P2LAX311PS		P2LAX311PP
G1/4		P2LBX312PS		P2LBX312PP
G3/8		P2LCX313PS		P2LCX313PP
G1/2		P2LDX314PS		P2LDX314PP
5/2 valves				
G1/8		P2LAX511PS		P2LAX511PP
G1/4		P2LBX512PS		P2LBX512PP
G3/8		P2LCX513PS		P2LCX513PP
G1/2		P2LDX514PS		P2LDX514PP

Self centring			Held in 3 positions	
Size	Lever/Lever	Order code	Lever/Lever	Order code
5/3 Closed Centre Valve				
G1/8		P2LAX61111		P2LAX61122
G1/4		P2LBX61211		P2LBX61222
G3/8		P2LCX61311		P2LCX61322
G1/2		P2LDX61411		P2LDX61422
5/3 Vented Centre Valve				
G1/8		P2LAX81111		P2LAX81122
G1/4		P2LBX81211		P2LBX81222
G3/8		P2LCX81311		P2LCX81322
G1/2		P2LDX81411		P2LDX81422
5/3 Pressure Centre Valve				
G1/8		P2LAX71111		P2LAX71122
G1/4		P2LBX71211		P2LBX71222
G3/8		P2LCX71311		P2LCX71322
G1/2		P2LDX71411		P2LDX71422

Size	Air/Air	Order code
Self centering		
5/3 Closed Centre Valve		
G1/8		P2LAX611PP
G1/4		P2LBX612PP
G3/8		P2LCX613PP
G1/2		P2LDX614PP
5/3 Vented Centre Valve		
G1/8		P2LAX811PP
G1/4		P2LBX812PP
G3/8		P2LCX813PP
G1/2		P2LDX814PP
5/3 Pressure Centre Valve		
G1/8		P2LAX711PP
G1/4		P2LBX712PP
G3/8		P2LCX713PP
G1/2		P2LDX714PP

Leadtime:
Yellow highlighted part numbers
are on stock at EDC.



Product page



Catalogue

PNEUMATIC SOLENOID VALVE

For Extreme Environments – Series Viking Xtreme

Viking Xtreme Valve - Solenoid operated - 15 mm DIN C solenoid (w/o or w solenoid operator*)

* Solenoid operator(s) and connector/plug(s) must be ordered separately.

- 4 sizes from G1/8 to G1/2
- Large range of flow from Qn 660 NI/mn to 2700 NI/mn
- Short change over time
- Maximum operating pressure up to 10 bar
- Large operating temperature from -10 °C to +50 °C
- Anodised aluminum body



Ordering Information & Technical Specifications

Size	Symbol	Without Operator	With 24 Vdc Operator
3/2 valves			
Electric /Spring			
G1/8		P2LAX311ESNXXX	P2LAX311ESNXB549
G1/4		P2LBX312ESNXXX	P2LBX312ESNXB549
G3/8		P2LCX313ESNXXX	P2LCX313ESNXB549
G1/2		P2LDX314ESNXXX	P2LDX314ESNXB549
5/2 valves			
Electric /Electric			
G1/8		P2LAX511EENXXX	P2LAX511EENXB549
G1/4		P2LBX512EENXXX	P2LBX512EENXB549
G3/8		P2LCX513EENXXX	P2LCX513EENXB549
G1/2		P2LDX514EENXXX	P2LDX514EENXB549
5/2 valves			
Electric /Spring			
G1/8		P2LAX511ESNXXX	P2LAX511ESNXB549
G1/4		P2LBX512ESNXXX	P2LBX512ESNXB549
G3/8		P2LCX513ESNXXX	P2LCX513ESNXB549
G1/2		P2LDX514ESNXXX	P2LDX514ESNXB549
5/2 valves			
Electric /Electric			
G1/8		P2LAX511EENXXX	P2LAX511EENXB549
G1/4		P2LBX512EENXXX	P2LBX512EENXB549
G3/8		P2LCX513EENXXX	P2LCX513EENXB549
G1/2		P2LDX514EENXXX	P2LDX514EENXB549

Size	Symbol	Without Operator	With 24 Vdc Operator
5/3 Closed Centre - Electric / Electric - Self Centring			
G1/8		P2LAX611EENXXX	P2LAX611EENXB549
G1/4		P2LBX612EENXXX	P2LBX612EENXB549
G3/8		P2LCX613EENXXX	P2LCX613EENXB549
G1/2		P2LDX614EENXXX	P2LDX614EENXB549
5/3 Pressure Centre - Electric / Electric - Self Centring			
G1/8		P2LAX711EENXXX	P2LAX711EENXB549
G1/4		P2LBX712EENXXX	P2LBX712EENXB549
G3/8		P2LCX713EENXXX	P2LCX713EENXB549
G1/2		P2LDX714EENXXX	P2LDX714EENXB549
5/3 Vented Centre - Electric / Electric - Self Centring			
G1/8		P2LAX811EENXXX	P2LAX811EENXB549
G1/4		P2LBX812EENXXX	P2LBX812EENXB549
G3/8		P2LCX813EENXXX	P2LCX813EENXB549
G1/2		P2LDX814EENXXX	P2LDX814EENXB549

15 mm DIN C (8 mm spacing) solenoid operator

Manual Overrides		Flush (Not Extended)			Extended	
	Without Manual Override	Blue Override non locking	Yellow Override Locking	Blue Override non locking	Yellow Override Locking	
 Voltage	12 Vdc	P2E-KV32B0	P2E-KV32B1	P2E-KV32B2	P2E-KV32B3	P2E-KV32B4
	24 Vdc	P2E-KV32C0	P2E-KV32C1	P2E-KV32C2	P2E-KV32C3	P2E-KV32C4
	48 Vdc	P2E-KV32D0	P2E-KV32D1	P2E-KV32D2	P2E-KV32D3	P2E-KV32D4
	24 Vac 50Hz	P2E-KV31C0	P2E-KV31C1	P2E-KV31C2	P2E-KV31C3	P2E-KV31C4
	48 Vac 50/60Hz	P2E-KV34D0	P2E-KV34D1	P2E-KV34D2	P2E-KV34D3	P2E-KV34D4
	115 Vac 50Hz / 120 Vac 60 Hz	P2E-KV31F0	P2E-KV31F1	P2E-KV31F2	P2E-KV31F3	P2E-KV31F4
	230 Vac 50Hz / 240 Vac 60 Hz	P2E-KV31J0	P2E-KV31J1	P2E-KV31J2	P2E-KV31J3	P2E-KV31J4

Leadtime:
Yellow highlighted part numbers are on stock at EDC.

Cable plugs 15 mm - IP65 (8 mm pin spacing)

Standard screw



Description	Electrical protection	Cable length	Order code
	No protection	No cable	P8C-D
		2 metre	P8L-C2
		5 metre	P8L-C5
	LED + protection 24 VDC	No cable	P8C-D26C
	LED + protection 24 VDC/AC	2 metre	P8L-C226C
		5 metre	P8L-C526C



Product page



Catalogue

PNEUMATIC SOLENOID VALVE

For Extreme Environments – Series Viking Xtreme

Viking Xtreme Valve - Solenoid operated - 22 mm DIN B solenoid (w/o or w coil)

- Supplied with industrial operator type P2FP13N4D (brass extended non locking manual override)
- -10 °C/+50 °C – up to 10 bar
- Supplied without or with 22 mm DIN B 24 VDC solenoid coil
- DC 4,8 W – AC 8,5 VA – +/- 10 % - 100 % ED



Ordering Information & Technical Specifications

Size	Symbol	Without Coil	With 24 Vdc Coil
3/2 valves			
Electric signal /Spring			
G1/8		P2LAX311ESNDDN	P2LAX311ESNDDB49
G1/4		P2LBX312ESNDDN	P2LBX312ESNDDB49
G3/8		P2LCX313ESNDDN	P2LCX313ESNDDB49
G1/2		P2LDX314ESNDDN	P2LDX314ESNDDB49
3/2 valves			
Electric signal /Electric signal			
G1/8		P2LAX311EENDDN	P2LAX311EENDDB49
G1/4		P2LBX312EENDDN	P2LBX312EENDDB49
G3/8		P2LCX313EENDDN	P2LCX313EENDDB49
G1/2		P2LDX314EENDDN	P2LDX314EENDDB49
5/2 valves			
Electric signal /Spring			
G1/8		P2LAX511ESNDDN	P2LAX511ESNDDB49
G1/4		P2LBX512ESNDDN	P2LBX512ESNDDB49
G3/8		P2LCX513ESNDDN	P2LCX513ESNDDB49
G1/2		P2LDX514ESNDDN	P2LDX514ESNDDB49
5/2 valves			
Electric signal /Electric signal			
G1/8		P2LAX511EENDDN	P2LAX511EENDDB49
G1/4		P2LBX512EENDDN	P2LBX512EENDDB49
G3/8		P2LCX513EENDDN	P2LCX513EENDDB49
G1/2		P2LDX514EENDDN	P2LDX514EENDDB49

Size	Symbol	Without Coil	With 24 Vdc Coil
5/3 Closed Centre Valve - Electric / Electric - Self Centring			
G1/8		P2LAX611EENDDN	P2LAX611EENDDB49
G1/4		P2LBX612EENDDN	P2LBX612EENDDB49
G3/8		P2LCX613EENDDN	P2LCX613EENDDB49
G1/2		P2LDX614EENDDN	P2LDX614EENDDB49
5/3 Pressure Centre Valve - Electric / Electric - Self Centring			
G1/8		P2LAX711EENDDN	P2LAX711EENDDB49
G1/4		P2LBX712EENDDN	P2LBX712EENDDB49
G3/8		P2LCX713EENDDN	P2LCX713EENDDB49
G1/2		P2LDX714EENDDN	P2LDX714EENDDB49
5/3 Vented Centre Valve - Electric / Electric - Self Centring			
G1/8		P2LAX811EENDDN	P2LAX811EENDDB49
G1/4		P2LBX812EENDDN	P2LBX812EENDDB49
G3/8		P2LCX813EENDDN	P2LCX813EENDDB49
G1/2		P2LDX814EENDDN	P2LDX814EENDDB49

22 mm DIN B Solenoid Coil		
Voltage	DC	AC 50/60 Hz
12 VDC	P2FCB445	
24 VDC	P2FCB449	P2FCB442
48 VDC	P2FCB451	P2FCB449
120 VAC		P2FCB453
230 VAC		P2FCB457
24 VDC Low power (2W)	P2FCB249*	

* To be used with operator P2FP13N2

Valve Sub-Bases

For Actuation air signal / 15 mm and 22 mm solenoid Coil (not compatible with 30 mm solenoid coil)

	Type P2LAX / P2LBX 3/2 Valves	Type P2LAX 5/2 & 5/3 Valves	Type P2LBX 5/2 & 5/3 Valves
For 4 valves	91213204SXZ	9121658075	9121594806X
For 6 valves	91213206SXZ	9121658076	9121594807X
For 8 valves	91213208SXZ	9121658077	9121594808X
			
Blanking Plate	912132BPSXZ	9121658063	9121594809X

Leadtime:
Yellow highlighted
part numbers are on
stock at EDC.



Product page



Catalogue

PNEUMATIC SOLENOID VALVE

For Extreme Environments – Series Viking Xtreme

Viking Xtreme Valve - Solenoid operated - 22 mm DIN B solenoid (w/o or w coil)

- Supplied with mobile operator type P2FP13H4D (Brass Extended non locking Manual Override)
- -40 °C/+60 °C – P2LAX/P2LBX Up to 16 bar – P2LCX/P2LDX Up to 12 bar
- Supplied without or with 22mm DIN B 24 Vdc Solenoid Coil
DC 4,8 W – AC 8,5 VA – +/- 10 %
- Compatible with:
 - Industrial solenoid coil -10 °C/+50 °C: > 22 mm DIN B coil – DC 4.8 W +/-10 %
 - Mobile solenoid coil -40 °C/+60 °C: > 30 mm DIN A coil – DC 6,8 W +/-30 %
> 22 mm DIN B coil – DC 6,0 W +/-30 %/-10 %



Ordering Information & Technical Specifications

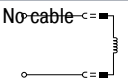
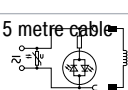
Size	Symbol	Without Coil	With 24 Vdc Coil
3/2 valves			
Electric signal /Spring			
G1/8		P2LAX311ESHDDN	P2LAX311ESHDDB49
G1/4		P2LBX312ESHDDN	P2LBX312ESHDDB49
G3/8		P2LCX313ESHDDN	P2LCX313ESHDDB49
G1/2		P2LDX314ESHDDN	P2LDX314ESHDDB49
3/2 valves			
Electric signal /Electric signal			
G1/8		P2LAX311EEHDDN	P2LAX311EEHDDB49
G1/4		P2LBX312EEHDDN	P2LBX312EEHDDB49
G3/8		P2LCX313EEHDDN	P2LCX313EEHDDB49
G1/2		P2LDX314EEHDDN	P2LDX314EEHDDB49
5/2 valves			
Electric signal /Spring			
G1/8		P2LAX511ESHDDN	P2LAX511ESHDDB49
G1/4		P2LBX512ESHDDN	P2LBX512ESHDDB49
G3/8		P2LCX513ESHDDN	P2LCX513ESHDDB49
G1/2		P2LDX514ESHDDN	P2LDX514ESHDDB49
5/2 valves			
Electric signal /Electric signal			
G1/8		P2LAX511EEHDDN	P2LAX511EEHDDB49
G1/4		P2LBX512EEHDDN	P2LBX512EEHDDB49
G3/8		P2LCX513EEHDDN	P2LCX513EEHDDB49
G1/2		P2LDX514EEHDDN	P2LDX514EEHDDB49

Size	Symbol	Without Coil	With 24 Vdc Coil
5/3 Closed Centre Valve - Electric / Electric - Self Centring			
G1/8		P2LAX611EEHDDN	P2LAX611EEHDDB49
G1/4		P2LBX612EEHDDN	P2LBX612EEHDDB49
G3/8		P2LCX613EEHDDN	P2LCX613EEHDDB49
G1/2		P2LDX614EEHDDN	P2LDX614EEHDDB49
5/3 Pressure Centre Valve - Electric / Electric - Self Centring			
G1/8		P2LAX711EEHDDN	P2LAX711EEHDDB49
G1/4		P2LBX712EEHDDN	P2LBX712EEHDDB49
G3/8		P2LCX713EEHDDN	P2LCX713EEHDDB49
G1/2		P2LDX714EEHDDN	P2LDX714EEHDDB49
5/3 Vented Centre Valve - Electric / Electric - Self Centring			
G1/8		P2LAX811EEHDDN	P2LAX811EEHDDB49
G1/4		P2LBX812EEHDDN	P2LBX812EEHDDB49
G3/8		P2LCX813EEHDDN	P2LCX813EEHDDB49
G1/2		P2LDX814EEHDDN	P2LDX814EEHDDB49

30 mm DIN A & 22mm DIN B Solenoid Coil				
		Industrial Coil	Mobile Coil	
		22mm DIN B	22mm DIN B	30 mm DIN A
Voltage		DC	AC 50/60 Hz	DC
12 V	P2FCB445			P2FCA447
24 V	P2FCB449	P2FCB442	P2FCB448	P2FCA448
48 V	P2FCB451	P2FCB449		P2FCA474
72 V				P2FCA470
96 V				P2FCA471
110 V				P2FCA472
120 V		P2FCB453		
230 V		P2FCB457		

Solenoid Connectors / Cable Plugs EN176301-803

Standard IP65, with standard screw

	Description	22 x 30 DIN Form B	23 X 30 DIN Form A
No cable 	Without Led, without protection	3EV10V10	3EV290V10
	With LED and protection 24 Vac/Vdc	3EV10V20-24	3EV290V20-24
	With LED and protection 110 Vac	3EV10V20-110	3EV290V20-110
	With LED and protection 230 Vac	3EV10V20-230	3EV290V20-230
5 metre cable 	With LED and protection 24 Vac / Vdc	3EV10V20-24L5	3EV290V20-24L5
	With LED and protection 110 Vac	3EV10V20-110L5	3EV290V20-110L5
	With LED and protection 230 Vac	3EV10V20-230L5	3EV290V20-230L5

Leadtime:

Yellow highlighted part numbers are on stock at EDC.



Product page



Catalogue

AIR PREPARATION

Air Preparation (FRL) and Dryers

Parker offers a large selection of dryers, filters, lubricators, regulators and combination units. Full featured filters, regulators, filter/regulators and lubricators are available with a wide range of standard options to meet your air preparation needs. Parker point-of-use dryers deliver clean, dry air exactly where needed. They offer a compact, lightweight design, simple plug & play installation and virtually maintenance-free operation. Our clean air systems make it easy for companies to protect equipment, reduce downtime and maintenance costs and maximize compressed air solutions.



Particulates Filters



Series	Air Port Size	Description	Order Code
P31	G1/4 5 micron	Plastic guard/Sight gauge/Poly bowl/Manual drain	P31FB12EGMN
		Plastic guard/Sight gauge/Poly bowl/Pulse drain	P31FB12EGBN
		Metal bowl/Manual drain	P31FB12EMMN
		Metal bowl/Pulse drain	P31FB12EMBN
P32	G3/8 5 micron	Plastic guard/Sight gauge/Poly bowl/Manual drain	P32FB13EGMN
		Plastic guard/Sight gauge/Poly bowl/Auto drain	P32FB13EGAN
		Metal bowl/Sight gauge/Manual drain	P32FB13ESMN
		Metal bowl/Sight gauge/Auto drain	P32FB13ESAN
	G1/2 5 micron	Plastic guard/Sight gauge/Poly bowl/Manual drain	P32FB14EGMN
		Plastic guard/Sight gauge/Poly bowl/Auto drain	P32FB14EGAN
		Metal bowl/Sight gauge/Manual drain	P32FB14ESMN
		Metal bowl/Sight gauge/Auto drain	P32FB14ESAN
P33	G3/4 5 micron	Plastic guard/Sight gauge/Poly bowl/Manual drain	P33FA16EGMN
		Plastic guard/Sight gauge/Poly bowl/Auto drain	P33FA16EGAN
		Metal bowl/Sight gauge/Manual drain	P33FA16ESMN
		Metal bowl/Sight gauge/Auto drain	P33FA16ESAN

Coalescers, Adsorbers Filters



Series	Air Port Size	Description	Order Code
P31	G1/4 0,01 micron	Plastic guard/Sight gauge/Poly bowl/Pulse drain	P31FB12CGBN
		Metal bowl/Pulse drain	P31FB12CMBN
	G1/4 Activated carbon	Plastic guard/Sight gauge/Poly bowl/Manual drain	P31FB12AGMN
		Metal bowl/Manual drain	P31FB12AMMN
P32	G3/8 0,01 micron	Plastic guard/Sight gauge/Poly bowl/Auto drain	P32FB13DGAN
		Metal bowl/Sight gauge/Auto drain	P32FB13DSAN
	G3/8 Activated carbon	Plastic guard/Sight gauge/Poly bowl/Manual drain	P32FB13AGMN
		Metal bowl/Sight gauge/Manual drain	P32FB13ASMN
	G1/2 0,01 micron	Plastic guard/Sight gauge/Poly bowl/Auto drain	P32FB14DGAN
		Metal bowl/Sight gauge/Auto drain	P32FB14DSAN
	G1/2 Activated carbon	Plastic guard/Sight gauge/Poly bowl/Manual drain	P32FB14AGMN
		Metal bowl/Sight gauge/Manual drain	P32FB14ASMN
P33	G3/4 0,01 micron	Plastic guard/Sight gauge/Poly bowl/Auto drain	P33FA16DGAN
		Metal bowl/Sight gauge/Auto drain	P33FA16DSAN
	G3/4 Activated carbon	Plastic guard/Sight gauge/Poly bowl/Manual drain	P33FA16AGMN
		Metal bowl/Sight gauge/Manual drain	P33FA16ASMN

Leadtime:
Yellow highlighted
part numbers are on
stock at EDC.



Product page



Catalogue

Bowls, Mounting Kits



Series	Air Port Size	Metal Bowl		Metal Bowl		Order Code	
P31	G1/4	Manual drain	P31KB00BMM	Pulse drain	P31KB00BMB	C-Bracket	P31KA00MW
P32	G3/8, G1/2	Manual drain	P32KB00BSM	Auto drain	P32KB00BSA	L-Bracket	P32KA00ML
P33	G3/4	Manual drain	P33KA00BSM	Auto drain	P33KA00BSA	L-Bracket	P33KA00ML

Note: coalescers with pulse or auto drain depending on size adsorbers with manual drain

Regulators & Common P1 Regulators



Series	Air Port Size	Description	Order Code
P31	G1/4	0-8 bar / Relieving	P31RB12BNTP
		0-8 bar / Relieving / Common P1	P31HB12BNTP
P32	G3/8	0-8 bar / Relieving	P32RB13BNGP
		0-8 bar / Relieving / No gauge / Common P1	P32HB13BNNP
	G1/2	0-8 bar / Relieving	P32RB14BNGP
		0-8 bar / Relieving / No gauge / Common P1	P32HB14BNNP
P33	G3/4	0-8 bar / Relieving	P33RA16BNGP

Note: Manifold style regulator with line pressure on both sides
Gauge not fitted on the product when delivering

Filter/Regulators



Series	Air Port Size	Description	Order Code
P31	G1/4 5 micron 0-8 bar	Plastic guard/Sight gauge/Poly bowl/Manual drain	P31EB12EGMBNTP
		Plastic guard/Sight gauge/Poly bowl/Pulse drain	P31EB12EGBBNTP
		Metal bowl/Manual drain	P31EB12EMMBNTP
		Metal bowl/Pulse drain	P31EB12EMBBNTP
P32	G3/8 5 micron 0-8 bar	Plastic guard/Sight gauge/Poly bowl/Manual drain	P32EB13EGMBNGP
		Plastic guard/Sight gauge/Poly bowl/Auto drain	P32EB13EGABNGP
		Metal bowl/Sight gauge/Manual drain	P32EB13ESMBNGP
		Metal bowl/Sight gauge/Auto drain	P32EB13ESABNGP
	G1/2 5 micron 0-8 bar	Plastic guard/Sight gauge/Poly bowl/Manual drain	P32EB14EGMBNGP
		Plastic guard/Sight gauge/Poly bowl/Auto drain	P32EB14EGABNGP
		Metal bowl/Sight gauge/Manual drain	P32EB14ESMBNGP
		Metal bowl/Sight gauge/Auto drain	P32EB14ESABNGP
P33	G3/4 5 micron 0-8 bar	Plastic guard/Sight gauge/Poly bowl/Manual drain	P33EA16EGMBNGP
		Plastic guard/Sight gauge/Poly bowl/Auto drain	P33EA16EGABNGP
		Metal bowl/Sight gauge/Manual drain	P33EA16ESMBNGP
		Metal bowl/Sight gauge/Auto drain	P33EA16ESABNGP

Note: gauge not fitted on the product when delivering

Leadtime:
Yellow highlighted
part numbers are on
stock at EDC.



Product page



Catalogue

Bowls, Mounting Kits



Series	Air Port Size	Metal Bowl		Metal Bowl		Order Code	
P31	G1/4	Manual drain	P31KB00BMM	Pulse drain	P31KB00BMB	Angle Bracket	P31KA00MW
P32	G3/8, G1/2	Manual drain	P32KB00BSM	Auto drain	P32KB00BSA	Angle Bracket	P32KA00ML
P33	G3/4	Manual drain	P33KA00BSM	Auto drain	P33KA00BSA	Angle Bracket	P33KA00ML

Nuts/Safety Kits



Series	Air Port Size	Description	Alu.	Plastic	Tamper
P31	G1/4	Alu. / Plastic Nuts / Tamper Proof Lockable Cover	P31KA00MM	P31KA00MP	P31KB00AL
P32	G3/8, G1/2	Alu. / Plastic Nuts / Tamper Proof Lockable Cover	P32KA00MM	P32KA00MP	P32KB00AL
P33	G3/4	Alu. / Plastic Nuts	P33KA00MM	P33KA00MP	-

Lubricators



Series	Air Port Size	Description	Order Code
P31	G1/4	Plastic guard/Sight gauge/Poly bowl/No drain	P31LB12LGNN
	Oil mist	Metal bowl/No drain	P31LB12LMNN
P32	G3/8	Plastic guard/Sight gauge/Poly bowl/No drain	P32LB13LGNN
	Oil mist	Metal bowl/Sight gauge/No drain	P32LB13LSNN
	G1/2	Plastic guard/Sight gauge/Poly bowl/No drain	P32LB14LGNN
	Oil mist	Metal bowl/Sight gauge/No drain	P32LB14LSNN
P33	G3/4	Plastic guard/Sight gauge/Poly bowl/No drain	P33LA16LGNN
	Oil mist	Metal bowl/Sight gauge/No drain	P33LA16LSNN

Leadtime:
Yellow highlighted
part numbers are on
stock at EDC.



Product page



Catalogue

