

# Remote Control Systems

## Pneumatic

VP04



The VP04 is a pneumatic pilot valve for the proportional remote control of directional control valves, positioning cylinders, etc. Either linear or joystick lever versions of the VP04 are available. Principal applications include the proportional remote control of pneumatic spool-actuators and positioning cylinders in mobile or industrial hydraulic systems. All connections are furnished with couplings of the plug-in type.



System Type	Pneumatic Pilot Pressure
Control pressure range	0–8 bar
Control flow	max 7 NI/s
Control curves with straight characteristics	X
Friction brake for retention in any position	X
Mechanical end-position detent	X

## Hydraulic

PCL4



The PCL4 is a hydraulic pilot valve for the proportional remote control of directional control valves, pumps, motors, etc. It is available with joystick lever-units, as well as linear units for hand or foot control. The PCL4 is intended primarily for the remote control of hydraulically operated spool actuators and pump regulators in all kinds of mobile and industrial applications.



System Type	Hydraulic Pilot Pressure
Control pressure range	1–75 bar
Control flow	max 15 l/min
Max supply pressure	100 bar
Individual control characteristics for each direction	X
Selectable start and final pressures	X
Selectable lever force	X
Curves with straight characteristics	X
Curves with two-step characteristics	X
Curves with forced opening (final step)	X
Friction brake for retention in any position	X
Mechanical or solenoid end position detent	X

## Electrohydraulic

PVC6



Series PVC6 is a bankable valve assembly used for remote control of directional control valves. The proportional pressure reducing valve creates a pressure proportional to the inlet current. Solenoid Coil Voltage is available in 12 or 24 Volt. The inlet section can be equipped with a pressure reducing valve to protect the control sections (max inlet pressure to control section is 50 bar).



Pumps

Motors

Valves

Actuators

Accumulators

Filtration

Fluid Analysis

Compact Hydraulics

Fluid Connectors

# Remote Control Systems

## Electronic Control Systems

IQAN



IQAN is a state-of-the-art system, developed by Parker, for electronically controlling and monitoring hydraulics in mobile machines. IQAN communicates with the other systems in the machinery, such as diesel engines and transmission systems. IQAN master units display data from these systems and also allows control of them.

IQAN is user-programmable via a high level graphical design tool, which dramatically simplifies development. Simulation of the control system takes place in parallel with the programming of machine functions. The IQAN software tools cover all phases of a machine's life cycle, from development through production to after sales.

**Mobility:**

Hardware designed and tested for mobile hydraulic equipment.

**Simplicity:**

Implement complex machine functionality without specialized programming knowledge.

**Time to Market:**

IQAN's simple programming environment and modular hardware reduces development time.

**Machine Management:**

IQAN has the software tools to benefit the entire life cycle of a machine. This allows you to reduce cost from design through after sales support.

Components



IQANdesign platform

An advanced expandable modular control system with software tools, IQAN Creative Studios, to add modules and build functionality and simulation tools.



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System Types	IQANdesign platform
CANbus Master	IQAN-MDL2, IQAN-MD3, IQAN-MC2
CANbus Modules	IQAN-XA2, IQAN-XS2, IQAN-XT2
CANbus Joysticks	IQAN-LL, IQAN-LM
Analog Joysticks	IQAN-LSL, IQAN-LST, IQAN-LF1, ICL4, ICM4
Sensors	IQAN-SP035, IQAN-SP500, IQAN SENSORS

## Stand Alone Concept



IQANdevelop

Task oriented control system with software tools to build functionality together with the Stand-alone Controls IQAN-TOC8 and IQAN-TOC2.

