

# Product Overview

Directional Control Valves



the most advantageous way to the target  
your hydraulic valve partner from design to production

# Monoblock Valves

## KVM05

Section	1
Weight	2,1 kgs
Nominal Flow	35 lt/min
Standard Threads (P,T,A/B)	G3/8"

*Typical applications are; power packs, small cranes, agricultural machines and tractors.*



## AMV50 Series



Section	1-7
Nominal Flow	50 lt/min
Standard Threads (P,T,A/B)	G3/8" or G1/2"

*Used for the perfect control on the following applications; refuse trucks, agricultural machinery, hydraulic platforms, hydraulic presses, outriggers of cranes, concrete pumps and front-end loaders.*

## KVM15 Series

Section	1-7
Nominal Flow	70 lt/min
Standard Threads (P,T,A/B)	G1/2" or G3/4"

*Typical applications are; hydraulic presses, outriggers of cranes and concrete pumps, garbage and tipping trucks, hydraulic platforms, front-end loaders etc.*



## KVM16 Series



Section	2-3 Sections
Nominal Flow	100 lt/min
Standard Threads (P,T,A/B)	G3/4"

*Largest and newest monoblock valve series. Current applications are tractors front loaders and back-hoes.*

# Sectional Valves

## KV17 Series



Section	1-9
Nominal Flow	80 lt/min
Standard Threads (P,T,A/B)	G1/2" or G3/4"

*Typical applications are; refuse (garbage) trucks, back-hoes, hydraulic presses, hydraulic cranes, tractors...*

## KV18 Series

Section	1-9
Nominal Flow	100 lt/min
Standard Threads (P,T,A/B)	G3/4"

*Typical applications; refuse (garbage) trucks, cranes, hydraulic presses, back-hoes, wheel loaders...*



## KV20 Series



Section	1-9
Nominal Flow	150 lt/min
Standard Threads (P,T,A/B)	G3/4" or G1"

*An ideal control device for the following applications; wheel loaders, back-hoes, refuse (garbage trucks), roll-off trucks, hydraulic presses, mining machinery...*

# New Products

## PKV17

### Pressure Compensated Load Sensing Control

↻ PKV17 specially designed as pressure compensated load sensing valve with the aim of reaching maximum control ability



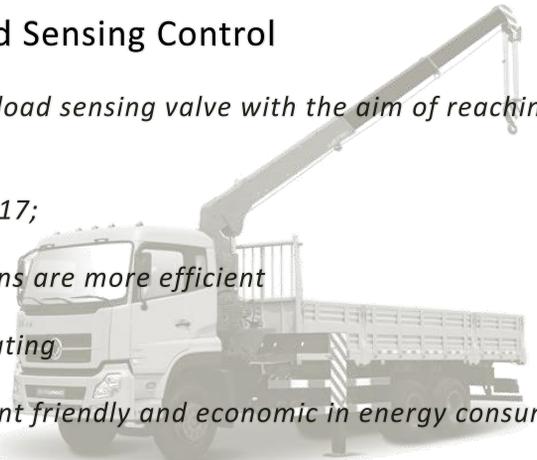
↻ with Load Sensing PKV17;

↻ Your applications are more efficient

↻ Less heating

↻ Much more environment friendly and economic in energy consumption.

↻ Valve is perfect control device for cranes & vehicle mounted equipments.



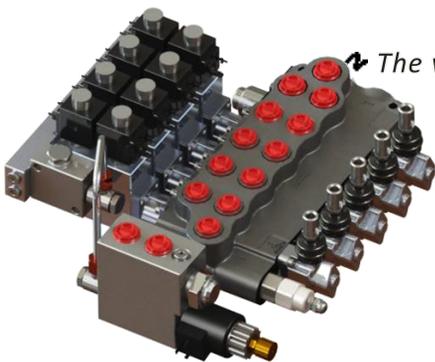
## INLET PROPORTIONAL

↻ The valve is designed for high performance and have a sensitive & smooth control ability for applications requiring sensitive control

↻ The valve is very robust and well suitable for demanding mobile applications.

↻ The valve offers perfect control for aerial platforms and offers excellent operating characteristics with its inlet proportional extension.

↻ Inlet proportional can be adapted to all valve series



## LVM92

### 90LPM, Monoblock Rear Ported Front Loader Valve

↻ 2 Spool Open Center monoblock directional valve with closed center option,

↻ Standard 4 Position Float Spool for loader boom,

↻ With load hold check valves on each spool,

↻ Available secondary valves as an option,

↻ Wide variety of spools increasing control ability,

↻ Load sensing option offers improved control and efficiency...



Compactly designed for your  
Front Loaders



## The journey has begun in 1980...

For over 30 years AKON is specialized in manufacturing directional control hydraulic valves for the mobile equipments.

In time, AKON moved one step further and improved his ability to meet customer demands by manufacturing both standardized and customized products.

### Foundry

Flexible Production  
Shell Moulding casting process  
Better surface quality, better dimensional tolerances

### Design

Core-box, modelling production  
Design Verification ISO9001 Systems  
Life tests, Flow tests, Leakage tests

### Quality

Target: Reaching %100 accurate production at first time  
Sustainable quality development in all areas  
ISO9001 Quality System Certificate since 2003

### Assembly & Test

%100 Check valve, Flow & Function tests  
%100 Internal and external leakage

### New Investments

Workshop, foundry, laboratories furnished with modern test benches and equipments, enable reaching our objectives and going one step nearer to our vision

### Export

Going beyond borders since 2001,  
Akon branded hydraulic valves are being exported to more than 35 countries