



aerospace
climate control
electromechanical
filtration
fluid and gas handling
hydraulics
pneumatic
process control
sealing & shielding



The Global Leader in Motion & Control Technologies

Parker Motion Systems Division Korea



ENGINEERING **YOUR** SUCCESS

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History of Corporate

May 1979

Established of Hanil Hydraulic CO., LTD.



Dec 2004

Awarded reliability "R-MARK" for SCV-28 Main control valve"

Oct 1989

Developed and producted the main control valves for the mini-excavator and Forklift Truck. (MC-3/4)



Dec 2004

Admitted World class Product Enterprise of Main control valves for excavator

Jul 1994

Moved factory and head office to Shihung industrial complex.



Jun 2005

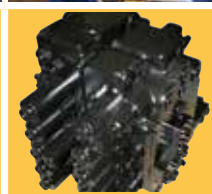
Name of company alteration - Parker Mobile Control Division Asia.

Dec 2005

Admitted Certificate of Excellent Quality of Mono block type Main control valve.

Mar 1996

Producted the main control valve for 13 ~ 33 TON capacity. (DX22/DX28)

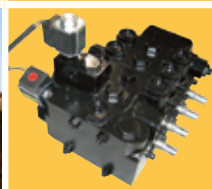


2005/2006

Developed a highly efficient control valve for 10~32 TON capacity of excavator. (M0170EX / M0280EX)

Mar 1999

Developed and producted the gear pump and main control valve for the Forklift Truck.



2007

Developed a highly efficient control valve for 1.0~4.5 TON capacity of forklift truck with ISO 3691 regulation. (KCV-80 / FLV-90N)

Aug 1999

Awarded quality system certificate of approval ISO 9001.

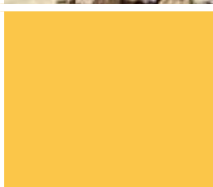


2008

Developed a highly efficient control valve for 7~32 TON capacity of excavator. (M090EX / SCV-22HP / SCV-28P)

Jun 2000

Developed and producted the improved main control valve for the Forklift Truck. (FLV-95)



2010

Developed a highly efficient control valve for over 33ton class excavator (M0400EX)

Jun 2002

Developed a highly efficient control valve for 10 ~ 18 TON capacity of excavator. (SCV-22)



2013

Developed a highly efficient LS type control valve for excavator and forklift truck (VP120)

Mar 2003

Developed a highly efficient control valve for 22 ~ 32 TON capacity of excavator. (SCV-28)



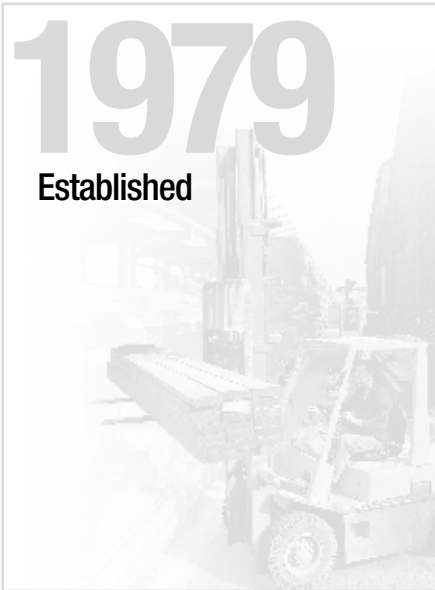
2015

Developed a highly efficient control valve for wheel loader. (VG80)

Product Development History

1979

Established



1988

MC3/MC4



1995

T/A with NABCO/4~6 ton MCV



1996

DX22/28



1999

Forklift Truck
(GEAR PUMP/FLV-95)
ISO 9001



2002/2003

SCV-22



SCV-28



2005/2006

KCV-80/MO280EX
VO40EX / MO170EX



2007/2008

FORKLIFT TRUCK(KCV-80/FLV-95N)
EXCAVATOR(MO90EX/SCV-22HP/SCV-28P)



2010/2013

VP120/MO400EX



Product & Applications

Summary of Main Control Valve

Model	Operating			Application Equipment	Rated Pressure (bar)	Rated Flow (lpm)	Remarks
	Manual	Pilot	Electronic Proportional				
KCV80	V	V		Forklift Truck Backhoe Mini Excavator Garbage Truck Various Vehicle	250	70	Open Center
FLV-95N	V	V		2.5~4.5 ton Forklift Truck	250	95	Load Sensing
BCV-65	V	V		4~6 ton Mini Excavator	250	65	Open Center
MC-3	V	V		1.5~3.5 ton Mini Excavator Garbage Truck Various Vehicle	210	50	Open Center
VO40EX	V	V		Excavator (1.5~3.5 ton)	250	40	Open Center
MO90EX		V		Excavator (7~10 ton)	320	80	Open Center
MO170EX		V		Excavator (10~18 ton)	350	170	Negative Control
MO280EX		V		Excavator (20~32 ton)	350	280	Negative Control
MO400EX		V		Excavator (33 ton ~)	380	400	Negative Control
VG80		V		Wheel Loader	260	430	Open Center
VP120	V	V	V	Excavator (7~10 ton) Telescopic handlers Compact construction machines Backhoes Digger Derricks & Truck mounted Cranes Rough-Terrain Lift Trucks Refuse trucks Drilling Equipment	260	120	Load Sensing

Production Ranges for Forklift Truck

Size	1.0 ~ 2.0 ton	2.5 ~ 3.0 ton	~ 4.5 ton	5 ~ 7 ton
Pres.(Bar)	210	210	250	320
Flow(lpm)	40	70	95	120
MCV				

Production Ranges for Excavators

Size	1.5 ~ 3.5 ton	~ 6.0 ton	~ 10 ton	7~10 ton	~ 18 ton	~ 32 ton	33 ton ~
Pressure (Bar)	210/250	250	320	260	350	350	380
Flow (lpm)	40 ~ 50	65	80	120	170	280	400
MCV							

Products

KCV-80 for Backhoe

- Rated Pressure : 250 bar
- Rated Flow : 70 lpm
- Features
 - Mechanical Joystick
 - Detent spool
- Applicable Equipment
 - Backhoe Truck



KCV-80 for Forklift Truck

- Rated Pressure : 250 bar
- Rated Flow : 70 lpm
- Features : ISO 3691 Function
 - Ventable relief valve
 - Lift lock valve
 - Tilt lock valve
 - Needle valve
- Applicable Equipment
 - 1.0 ~2.0 ton Forklift Truck



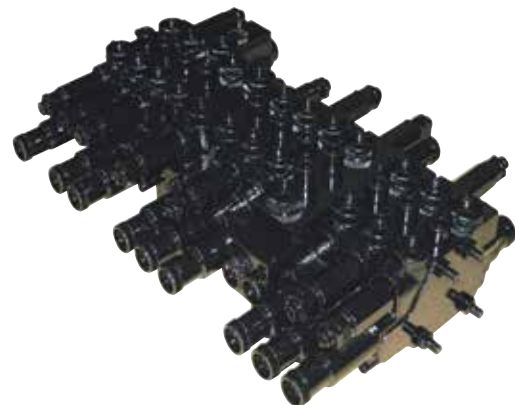
MC-3 for Excavator

- Rated Pressure :210 Bar
- Rated Flow: 50 lpm
- Applicable Equipment
 - 1.5~3.5 ton Mini Excavator
 - Garbage Truck
 - Various Vehicle
- Features
 - Pilot & manual operate



VO40EX for Excavator

- Rated Pressure : 250 bar
- Rated Flow : 40 lpm
- Applicable Equipment :
1.5 ton ~3.5 ton Mini Excavator
for Zero tail type
- Features
 - Manual & Pilot operated
 - Travel straight function
 - Boom holding valve



Products

4~6 ton MCV for Excavator

- Rated Pressure : 250 Bar
- Rated Flow : 65 lpm
- Applicable Equipment :
4~6 ton Mini Excavator
- Features
 - Pilot & manual operate
 - Travel straight
 - Travel independent
 - Boom holding v/v



M090EX for Excavator

- Rated Pressure : 320 bar
- Rated Flow : 80 lpm
- Application Equipment :
7~10ton Excavator
- Features
 - Mono Block (Ø16)
 - All pilot operation
 - Travel straight function
 - Boom/Arm holding v/v
 - Two option spools
 - Block add-on available



M0170EX for Excavator

- Rated Pressure : 350bar
- Rated Flow : 170lpm
- Applicable Equipment :
10ton ~18ton Excavator
- Negative flow control
- Features
 - Mono Block(Ø22)
 - All pilot operation
 - Travel straight function
 - Boom/Arm/ holding v/v



M0280EX for Excavator

- Rated Pressure : 350bar
- Rated Flow : 280lpm
- Applicable Equipment :
20ton~32ton Excavator
- Negative flow control
- Features
 - Mono Block(Ø28)
 - All pilot operation
 - Travel straight function
 - Boom/Arm/ holding v/v



Products

M0400EX for Excavator

- Rated Pressure : 380 bar
- Rated Flow : 400 lpm
- Application Equipment : above 33ton Excavator
- Negative flow control
- Features
 - Mono Block (Ø36)
 - All pilot operation
 - Travel straight function
 - Boom/Arm holding v/v



VP120 for Excavator, Backhoe loader

- Rated Pressure : 320 bar
- Rated Flow : 120 lpm
- Application Equipment : Excavator, Backhoe loader, Various Vehicles
- Load Sensing (PCLS)
- Features
 - Sectional block (Ø16)
 - Pilot, Manual, Electric control
 - PCLS with Flow sharing & Pressure limiting
 - Boom floating for backhoe loader



VG80 for Wheel loader

- Rated Pressure : 260 bar
- Rated Flow : 430 lpm
- Application Equipment : Wheel loader 3.5~4.5 m³
- Open Center
- Features
 - Sectional block (Ø32)
 - All pilot operation
 - Boom floating



IMV300 for Excavator

- Rated Pressure : 380 bar
- Rated Flow : 400 lpm
- Application Equipment : 21~ 33ton Excavator
- Closed loop type
- Features
 - No spool, Proportional throttle valve
 - Electric & pilot control
 - LS valve for travel, Option
 - Boom, Arm, Bucket holding v/v



Products

Auxiliary Valves



Shuttle V/V



D.P.C. V/V



Selector V/V



Holding V/V



Locking V/V



Solenoid V/V



Fuse V/V



Down Control V/V



Complex V/V



Relief V/V



Check V/V



Check V/V



Standard type

Proportional Throttle V/V



Compact type

Proportional Throttle V/V



Accumulator

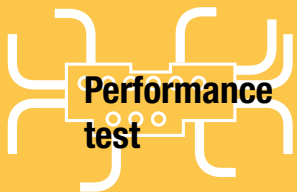
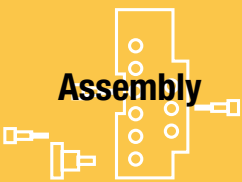
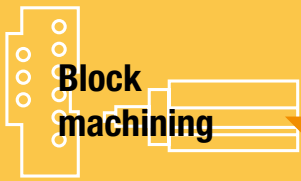
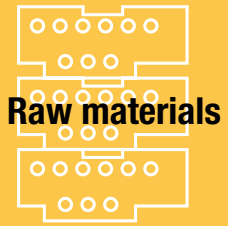


Directional Valve



Manapak Sandwich Valve

Manufacturing Process



Parker Mobile Control Division Asia



*The Global Leader in
Motion & Control Technologies*



Aerospace | Automation | Climate & Industrial Controls | Filtration
Fluid Connectors | **Hydraulics** | Instrumentation | Seal

Parker Motion Systems Division Korea

Jangan Plant : 23, Jangangongdan-1gil, Jangan-myeon, Hwaseong-si, Gyeonggi-do, 18579, Korea

Tel : 82-31-359-0700, Fax : 82-31-359-0780

Siwha Plant : 34, Gongdan 1-daero 195beon-gil, Siheung-si, Gyeonggi-do, 15083, Korea

Tel. 82-31-498-2761, Fax : 82-31-498-2766

www.parker.com