

High-pressure M35 Series

13 to 80 gpm
5075 psi

Overview

The High-Pressure M35 Series responds to the needs of high density in a variety of fields by enabling higher density hydraulic systems.

This valve incorporates NACHI original flow control technology and heat

treatment, plus precision machining to create high-performance valves with the following features:

- High-pressure 35MPa
- High reliability and compact design

- Press Machinery
Press brakes, punching presses
 - Underground Machinery
Shield tunneling machinery, removal systems, etc.
 - Construction Machinery
From mini vehicles to 6 to 10-ton vehicles, shovels, etc.
 - Environmental Related
Granulators, filter presses, scrap presses
 - Testing Equipment
Impulse, durability, performance testers, etc.
- (For details see catalog number 9265-3.)

- M35 Series Modular Valve (O * H)
By integrating multiple hydraulic devices, this valve can be used when configuring hydraulic circuits even in the high-pressure range. See page F9 for information about the O4 size.

This series consists of pressure, flow rate, and flow direction control valves.
Maximum Working Pressure: 5075 psi
Maximum Flow Rate: to 80 gpm

- M35 Series Non-leak Solenoid Valve (SNH)
A NACHI original structure is used to configure this wettype shutoff valve that isolates internal leaks. Installation conforms to ISO4401 standards, so it can be used in a wide range of applications in combination with modular valves. For more information, see page D-53.
Maximum Working Pressure: 5075 psi
Maximum Flow Rate: to 25 gpm

- M35 Series Related Components
 - Pump (See page A-42.)
Rated Pressure: 5075 psi
Capacity: 1.7 to 2.4 cu in/rev
 - High-response proportional flow control valve
Maximum Working Pressure: 5075 psi
Maximum Flow Rate: to 90 gpm
- M35 Series Industry Specific Components
 - Jack Valve
Maximum Working Pressure: 5075 psi
Maximum Flow Rate: to 25 gpm
 - Logic Cartridge Mono Block
Maximum Working Pressure: 5075 psi
Maximum Flow Rate: to 1850 gpm
- M35 Series Industry Specific Components
 - Hydraulic accessories (stop valves, filters, accumulators, hoses, etc.);
NACHI-MOOG servo level

Specifications

M35 Series Modular Valve

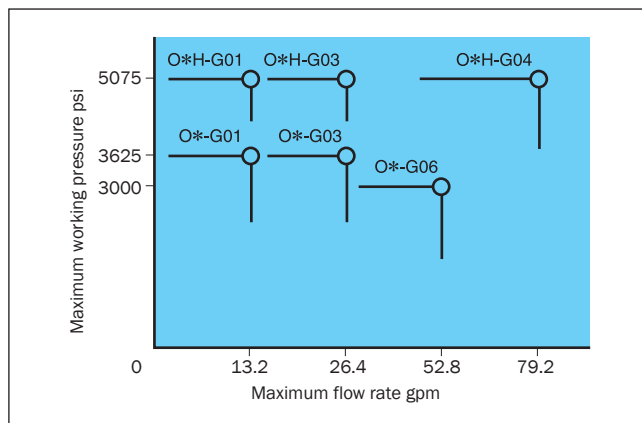
Size	Maximum Working Pressure psi	Maximum Flow Rate gpm	Number of Integration Levels
01	5075	13.2	to 3
03		26.4	
04		79.2	

Dimensions

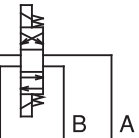
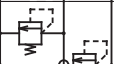
Size	Height (mm)	Width (mm)	Remarks
01	40	46	Same dimensions as the M25 Series
03	55	70	
04	70	91	

Note: M8 installation bolts only are used for the 03 size.

Modular Valve Product Series



01, 03 Size Specifications

		Valve Model Number	Maximum Operating Power psi	Maximum Flow Rate gpm	Pressure Adjustment Range (Cracking Pressure) psi	ISO Symbol
Solenoid Valves	Solenoid Valves	SA-G***-**-31(21) SS-G***-**-31(22)	5075			
Pressure Control Valves	Relief Valves (Balance Type)	ORH-G01-P*-10 -W*-		G01 10.5	500 - 3625 1000 - 5075	
		ORH-G03-P*-10 -W*-		G03 21.1	P: P (→T) port W: AB (→T) port	
	Relief Valves (Direct Type)	ORH-G01-DW*-10 -DA*- -DB*-		G01 5.2	500 - 3625 1000 - 5075	
		ORH-G03-DW*-10 -DA*- -DB*-		G03 7.9	DW: AB (→T) port DA: A (→T) port DB: B (→T) port	
	Reducing Valve	OGH-G01-P*-10 -B*-		G01 10.5	500 - 3625	
		OGH-G03-P*-(B)-10 -B*-		G03 21.1	P: P port B: B port	
Flow Control Valves	Flow Regulator Valves	OYH-G01-W-Y-10 -A-Y- -B-Y- -W-X- -A-X- -B-X-		G01 13.2	Y: Meter out X: Meter in W: AB port A: A port B: B port	
		OYH-G03-W-Y-10 -A-Y- -B-Y- -W-X- -A-X- -B-X-		G03 26.4		
						
						
						
						
Direction Control Valves	Check Valves	OCH-G01-P*-10 -T*-		G01 13.2	1: 5.8 2: 50.7 3: 72.5	
		OCH-G03-P*-10 -T*-		G03 26.4	P: P port T: T port	
	Pilot Check Valves	OPH-G01-W*-(F)-10 -A*- -B*- OPH-G03-W*-(D)-10 -A*- -B*-		G01 13.2 G03 26.4	1: 29 2: 72.5 W: AB port A: A port B: B port D: Direct type (no small valve, G03 only) F: Decomp type (with small valve, G01 only)	  

ORH : Relief valve



OGH : Reducing valve



OPH : Pilot check valve

