



3.4

**HFV TYPE
FLUSHING VALVE**

Series	08
Maximum pressure (bar)	450
Maximum flushing flow rate (L/min)	40



Contents

	Page
Features	03
Technical data	04
Ordering code	05
Hydraulic diagram	07
Unit dimensions	08

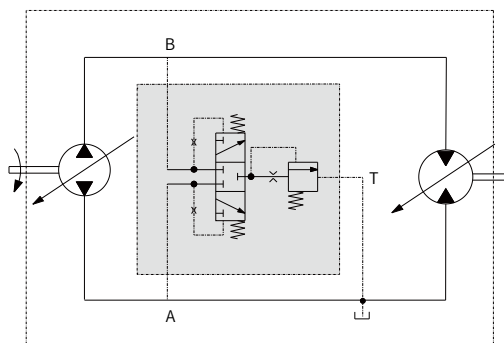
Features

1. Advantage:

- Multiple flow options.
- Integrated pressure holding valve to prevent a decrease in the boost pressure.
- Install in any direction and arrange separately.

2. Function:

The flushing valve is mainly used in closed systems to flush the heated hydraulic oil from the closed circuit, achieving the purpose of heat dissipation and flushing impurity particles.



3. Applications:



Roller



Tractor



Telescopic
handler

Technical data

General

Port A to B (mm)	40
Maximum flushing flow rate (L/min)	40
Maximum pressure (bar)	450
Holding pressure (bar)	16
Switching pressure (bar)	3~5
Rinse flow rate (L/min)	2.2~40
Temperature range (°C)	-40~+115
Mass (kg)	1.9
Installation position	Arbitrary

Ordering code

HFV	08	L	40	G	10	M	V	XX	C	3	D06	H16
①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬

Valve type

①	Flushing valve with pressure holding valve	HFV08
---	--	-------

Series

②	08	08
---	----	----

Installation type

③	Line Valve	L
---	------------	---

Size

④	Spacing, port A to B is 40mm	40
---	------------------------------	----

Port versions

⑤	Threaded port	G
---	---------------	---

Series

⑥	Series 1, Index 0	10
---	-------------------	----

Version of port thread

⑦	Metric	M
---	--------	---

Seals

⑧	FKM (fluor-caoutchouc)	V
---	------------------------	---

Ordering code

Orifices

⑨				code
	Without flushing valve			00
	With flushing valve			
	Flushing flow rate q_v (L/min) $\Delta p = p_{ND} - p_G = 25 \text{ bar}$, $v = 10 \text{ mm}^2/\text{s}$ (p_{ND} =low pressure, p_G =shell pressure, v =viscosity)	Flushing flow (L/min)	Orifice dia (mm)	code
		2.2	1.0	10
		3.2	1.2	12
		4.3	1.4	14
		5.5	1.6	16
		7	1.8	18
		8.8	2.0	20
		11.5	2.3	23
		12.5	2.4	24
		13.7	2.5	25
		17.2	2.8	28
		20	3.0	30
		27	3.5	35
		35	4	40
		40	5	50

Flushing side (low-pressure side)

⑩				code
	Side A			A
	Side B			B
	A and B (alternating, standard)			C

Switching pressure

⑪	Differential pressure $\Delta p = 3$ to 5 bar	3
---	---	---

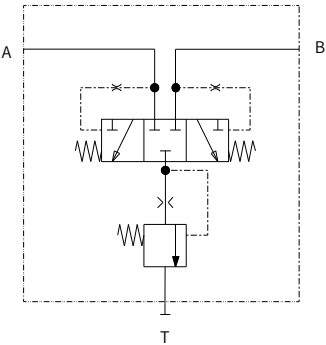
Flushing-piston damping

⑫	Medium-strong	D06
---	---------------	-----

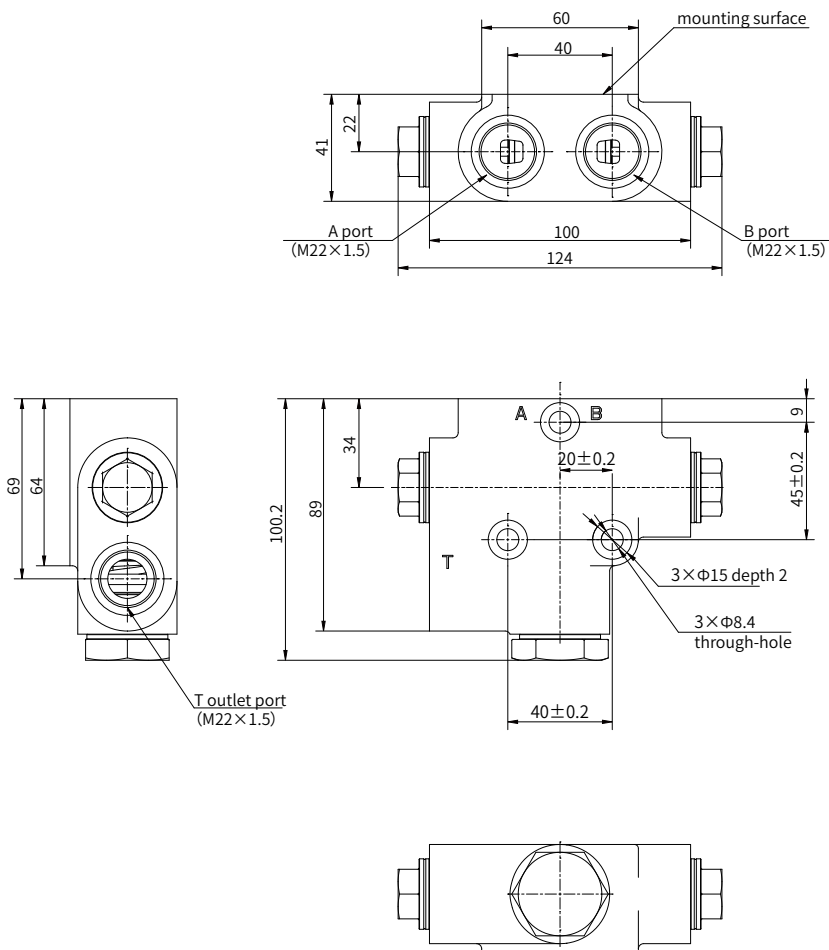
Minimum holding pressure

⑬	16bar	H16
---	-------	-----

Hydraulic diagram

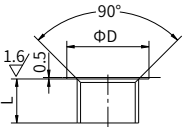


Unit dimensions



Unit dimensions

Port dimension

	Port ISO 9974-1		Port Specification	ΦD	L
	A, B	Working port	M22×1.5	28	14min
	T	Outlet port			



© This brochure can be reproduced, edited, reproduced or transmitted electronically without the authorization of Hengli Hydraulic Company. Due to the continuous development of the product, the information in this brochure is not specific to the specific conditions or applicability of the industry, thus, Hengli does not take any responsibility for any incomplete or inaccurate description.