1.5

HVS(E) SERIES

FLOW SHARING VALVE

HVSE:

Nominal size	04	09	12	18	25
Rated pressure(bar) Pump/actuator side	250/270	320/350	320/350	320/350	350/400
Rated flow(L/min)	40	90	120	180	300

Benefits:

- High efficiency
- Less volume, lighter weight
- Precise controllability
- Low pressure drop, less fuel consumption
- Comfort and coordination

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1. System:

Load pressure independent flow distribution

· Boom and Arm anti-drop valve (except for HVSE 04)

· Regeneration capability (except for HVSE 04 and HVSE 09)

· Low control pressure, ΔP=15bar

· Adjustable priority order of each movement

· Hydraulic pilot control

2. Structure

· Sandwich plate of design

3. Pressure

· LS relief valve

· Secondary pressure relief valve

4. Flow

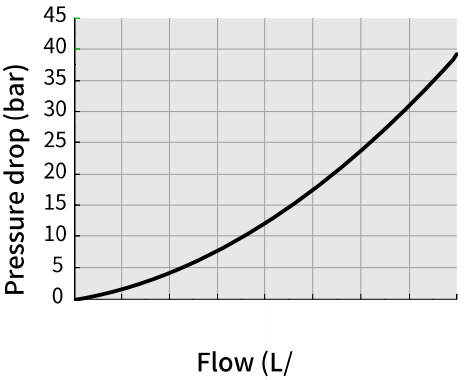
· Load pre

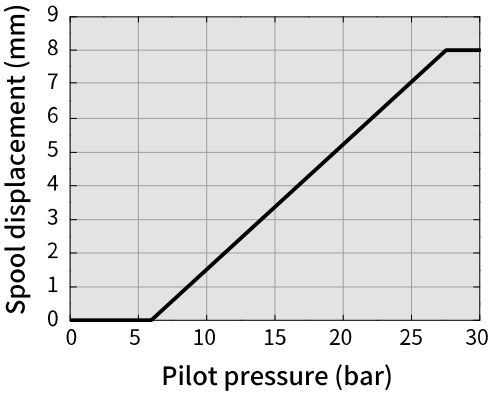
Technical data

Stru					

01

		(47.5 gpm)
	25	300 lpm (79.25 gpm)
③ Number of blocks	08	It can be increased or reduced according to the requirements of customers.
④ Pump relief valve	P	Without pump relief valve (with LS pressure relief valve)
⑤ Boom anti-drift valve	Blank	Without boom anti-drift


Pressure drop (bar)
45
40
35
30
25
20
15
10
5
0
Flow (L/


Spool displacement (mm)
9
8
7
6
5
4
3
2
1
0
0
5
10
15
20
25
30
Pilot pressure (bar)

Hydraulic diagram

·HVSE 04

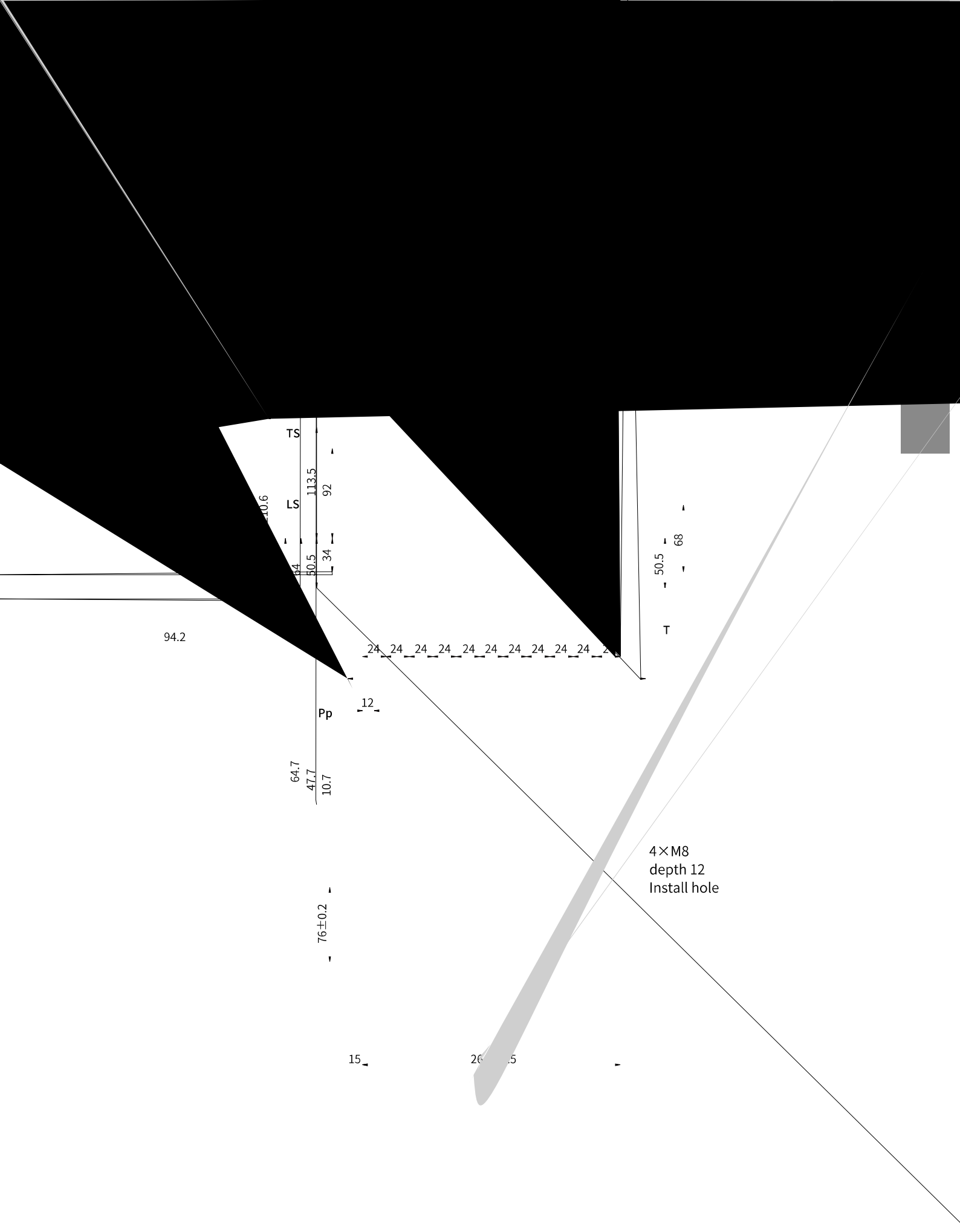
Inlet block

· LS relief valve

· LS constant flow valve

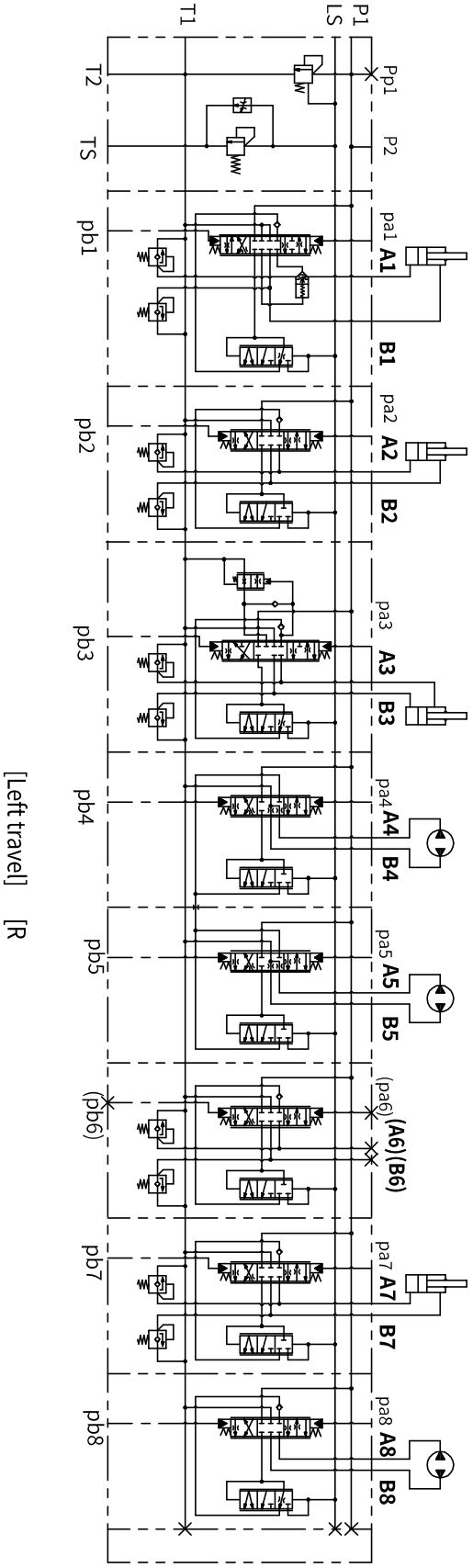
· Unload valve

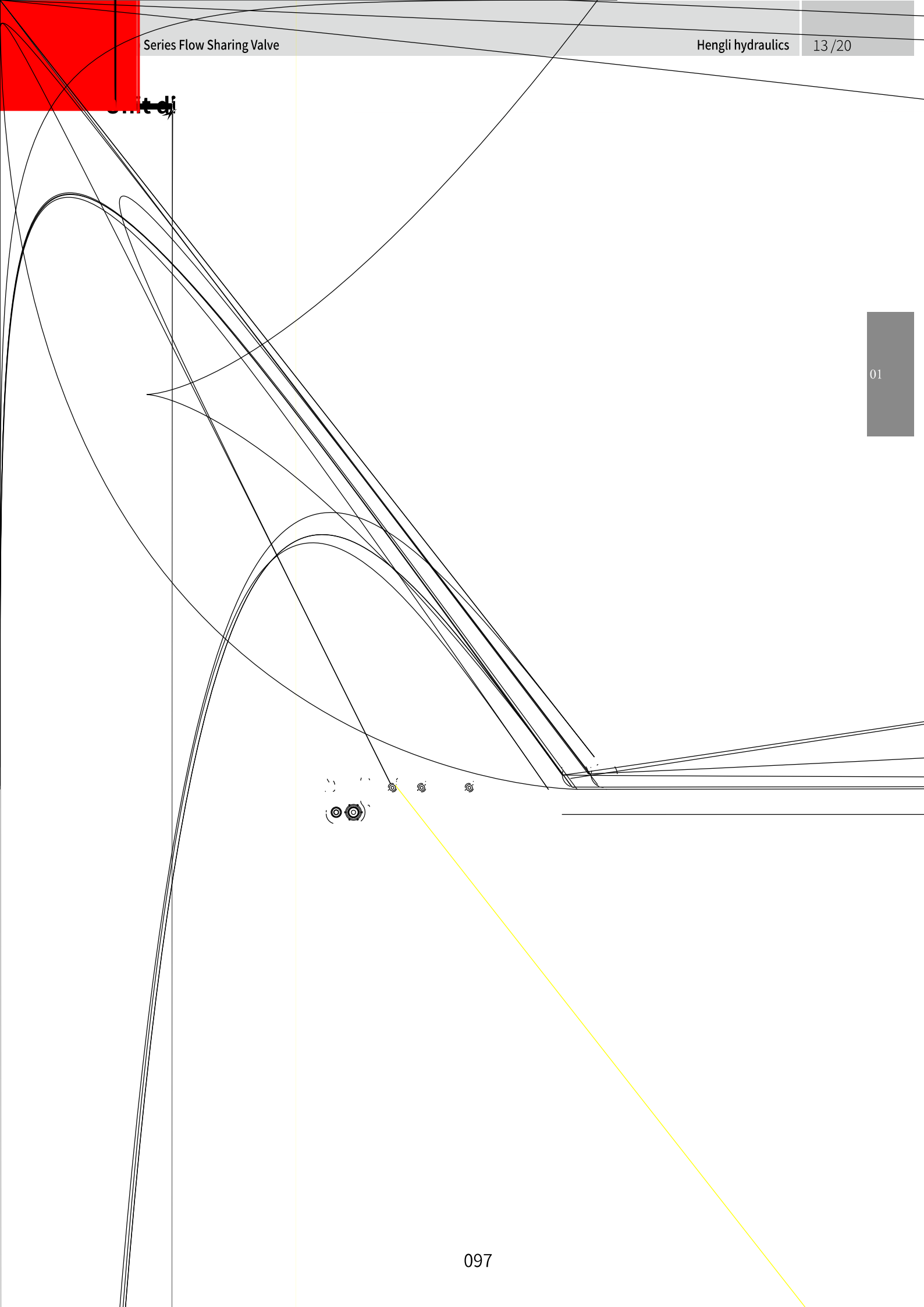
If need to adjust the order of the blocks, please consult us.


TS
LS
113.5
92
34
50.5
64
10.6
68
50.5
T
94.2
24 24 24 24 24 24 24 24 24 24
12
Pp
64.7
47.7
10.7
4×M8
depth 12
Install hole
76±0.2
15

Hydraulic diagram

·HVSE 12





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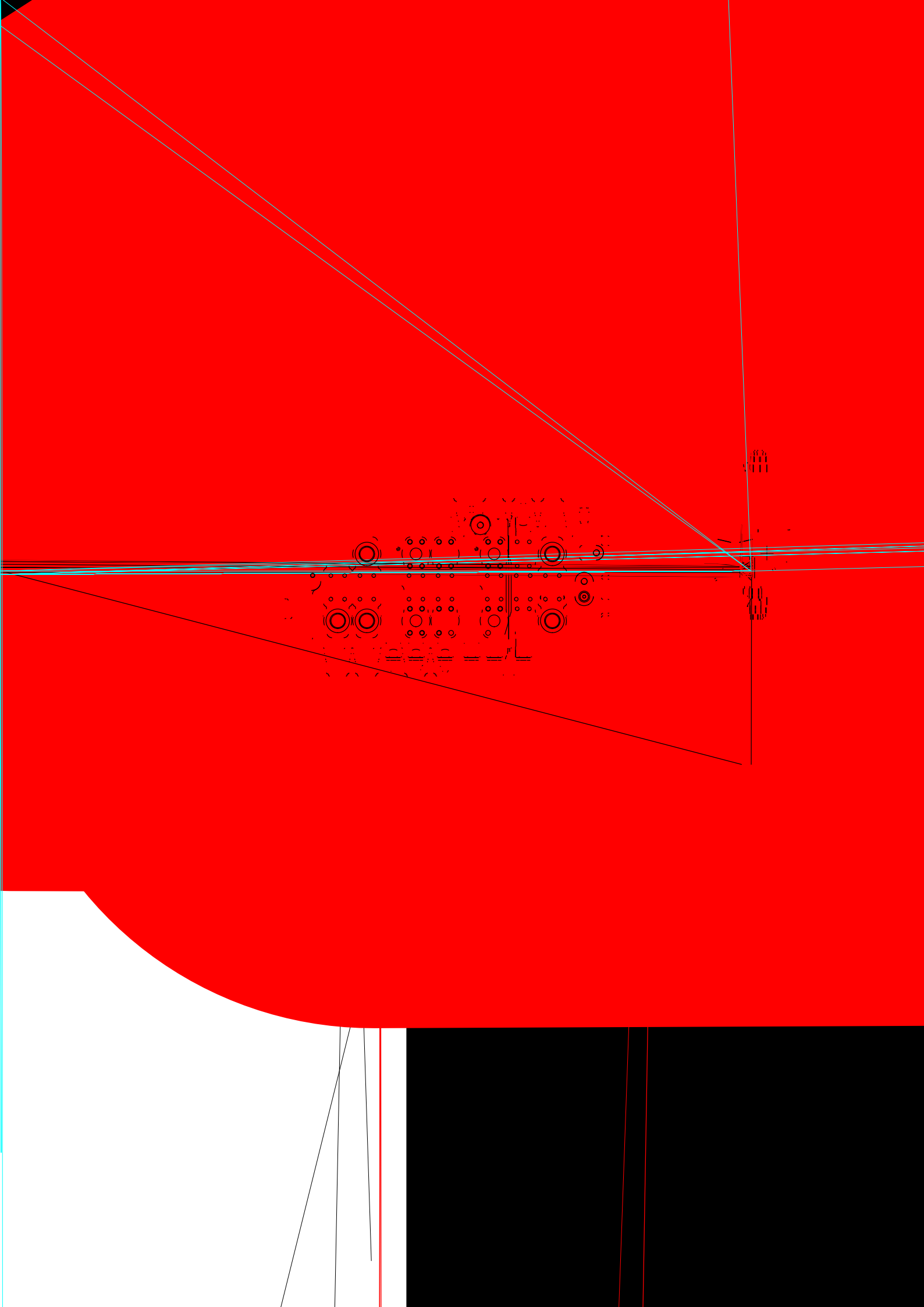

ISO 1179-1	Thread	ΦD	L
Inlet port Outlet port	G3/8	28	12
Work port Load sense port TS Port Pp Port			

				Nominal flange size	ΦD	L1	L2

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