



1.5

HVS(E)

HVS(E)	04	09	12	18	25
(bap)	250/270	280/300	320/340	320/340	350/400
/					
(L/ kil)	40	90	120	180	300

‘
‘
‘
‘
‘
‘

HVSE 04 !
HVSE 09 !
HVSE 12 !
HVSE 18 !
HVS 25 !

03
04
05
06
07
08-09
10-11
12-13
14-15
16-17
18-19

1. (—)
! HVSE 04
HVSE 04 ! HVSE 09
| P=15bap

2.

3.
LS

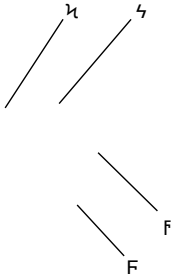
4.

5.

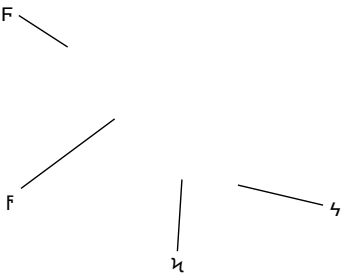


0.8 | 18

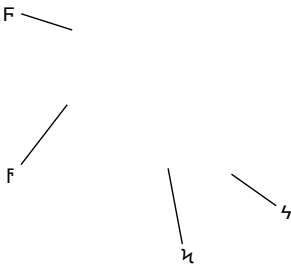
• HVSE 04



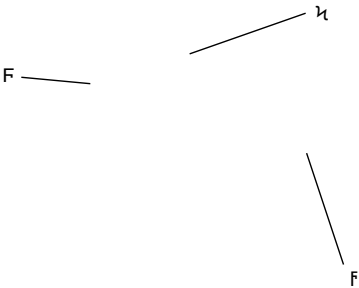
• HVSE 09



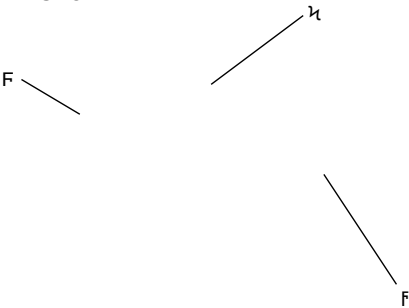
• HVSE 12



• HVSE 18



• HVS 25



- 1.
- 2.
- 3.
- 4.

	ISO 1179-1		JIS B2351-1		
(ig)					
	04(10)	09(8)	12(8)	18(8)	25(8)
	16.5ig	22ig	48ig	67ig	198.5ig
(k k)	305Ô210.6Ô94.2	350Ô220Ô112	450Ô278Ô138	498Ô326Ô172	394Ô239Ô721.5

		04	09	12	18	25
	Q (L/ k il)	40 (P=15bap)	90 (P=15bap)	120 (P=15bap)	180 (P=15bap)	300 (P=15bap)
	P /LS (bap)	250	280	320	320	350
	A/B (bap)	270	300	340	340	400
	T (bap)	30				
	TS (bap)	3				
	a/b (bap)	35				

	(HL HLP) DIN51 524 HEES() VDMA24568
(	-20 +90
v (k k ² /q	10 380
ISO 4406(c)	20/18/15 β10 ≥ 75

()

HVSE – 18 – 08 – P L L 320 – B E 001

F f Һ Ғ Ɔ Ǻ Ƴ ƴ ƶ Ʒ ƹ ƺ ƻ Ƽ

F HVSE (04/09/12/18
HVS (25
f 04 40 jn k (10.58 gn k)
09 90 jn k (23.8 gn k)
12 120 jn k (31.7 gn k
18 180 jn k (47.5 gn k
25 300 jn k (79.25 gn k

Һ 08
Ғ P LS
Ɔ

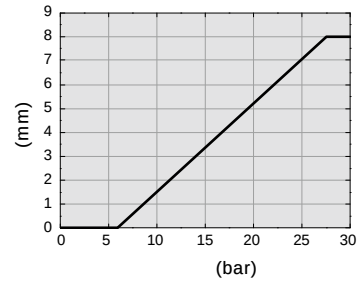
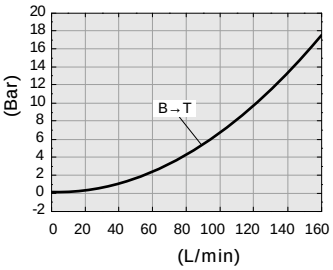
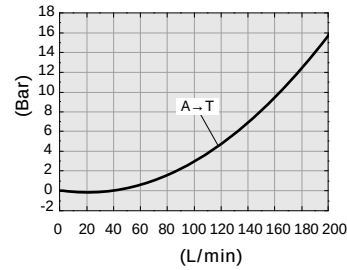
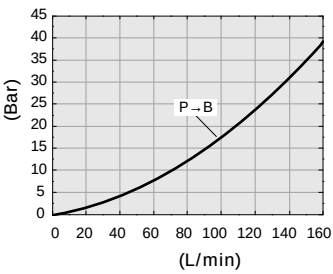
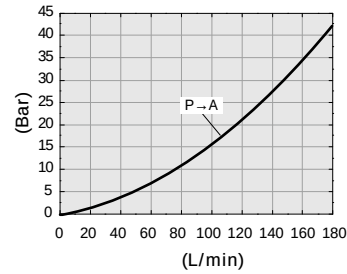
L
Ǻ O
Ƴ L

ƴ 320 (04/09/12/18 320bap LS
350 (25 350bap LS

ƶ B (
Ʒ E (BSP (
M
ƹ 001

01

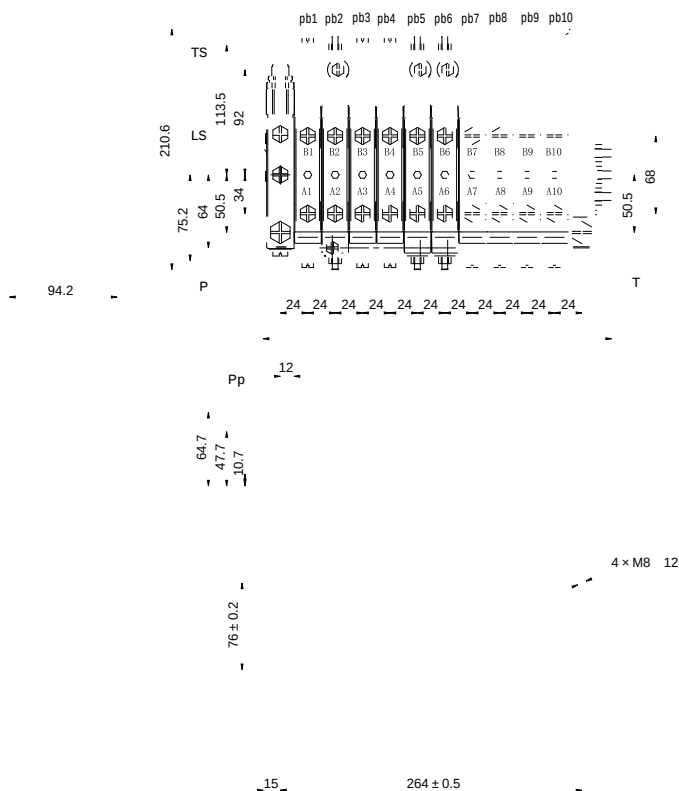
ISO VG46 T=50,

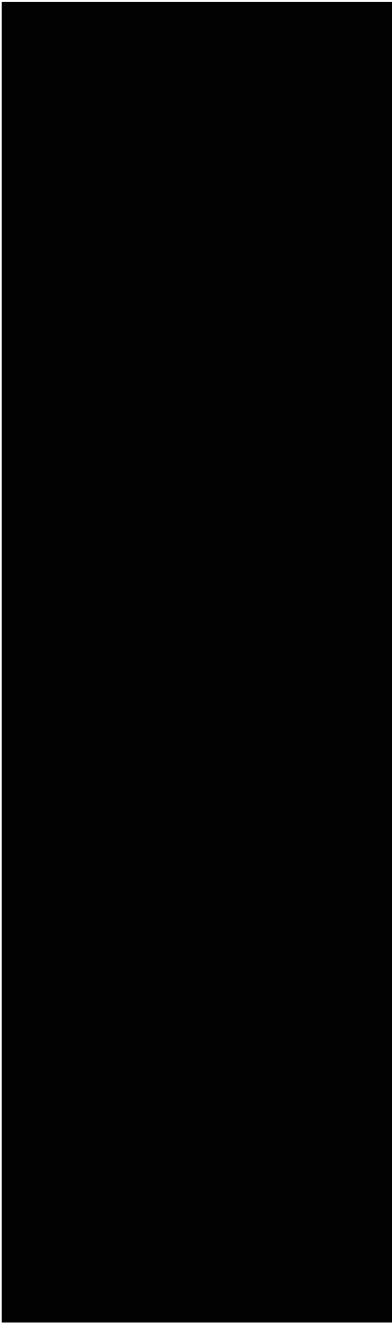


(*)

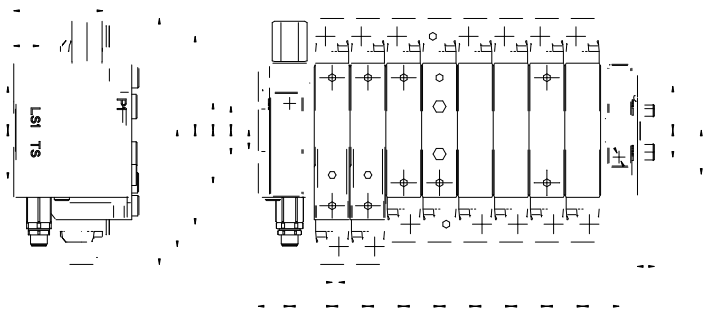
HVSE18

• HVSE 04





• HVSE 09



	P01	P2	pa1 A1	B1	pa2 A2	B2	pa3 A3	B3	pa4 A4	B4	pa5 A5	B5	(pa6) (A6)(B6)	pa7 A7	B7	pa8 A8	B8
P1			↖ /		↖		=		=		=		=	=		=	
LS			↖ /		↖		=		=		=		=	=		=	
T1			↖ /		↖		=		=		=		=	=		=	
T2			↖ /		↖		=		=		=		=	=		=	
TS			↖ /		↖		=		=		=		=	=		=	
pb1			↖ /		↖		=		=		=		=	=		=	
pb2			↖ /		↖		=		=		=		=	=		=	
pb3			↖ /		↖		=		=		=		=	=		=	
pb4			↖ /		↖		=		=		=		=	=		=	
pb5			↖ /		↖		=		=		=		=	=		=	
(pb6)			↖ /		↖		=		=		=		=	=		=	
pb7			↖ /		↖		=		=		=		=	=		=	
pb8			↖ /		↖		=		=		=		=	=		=	

• HVSE 12

01

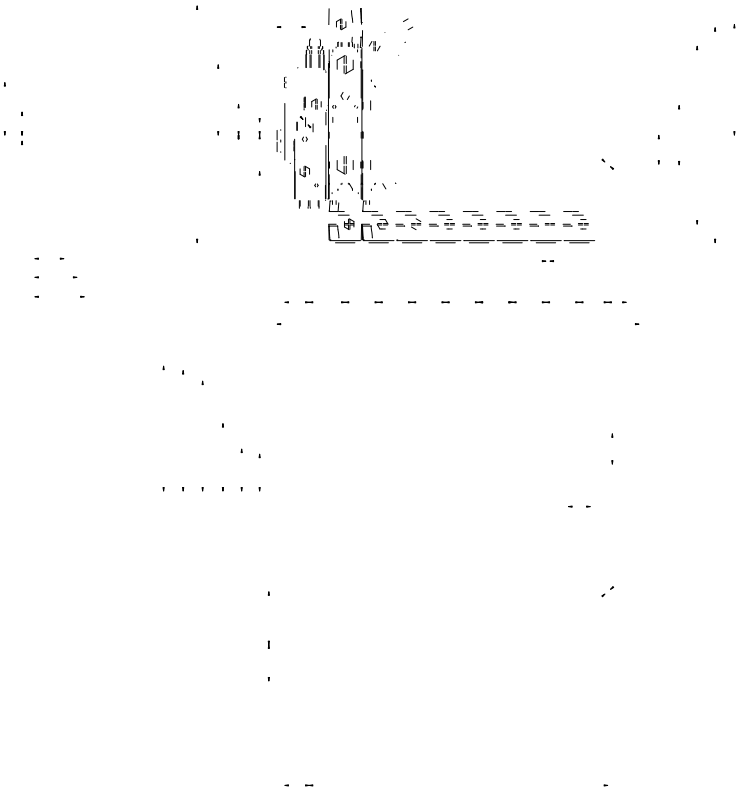


• HVSE 18



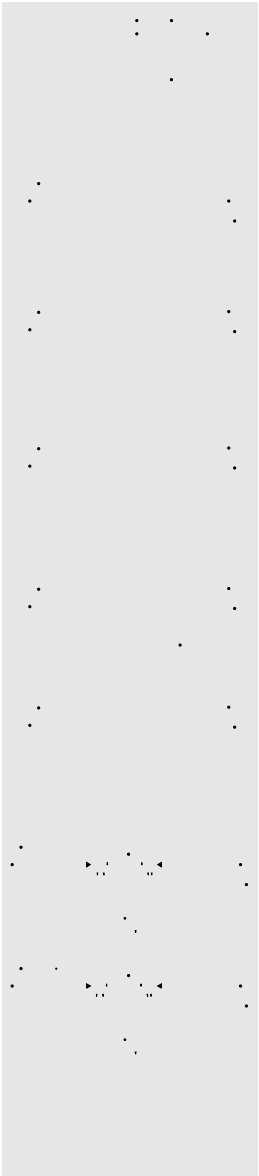
• HVSE 18

01

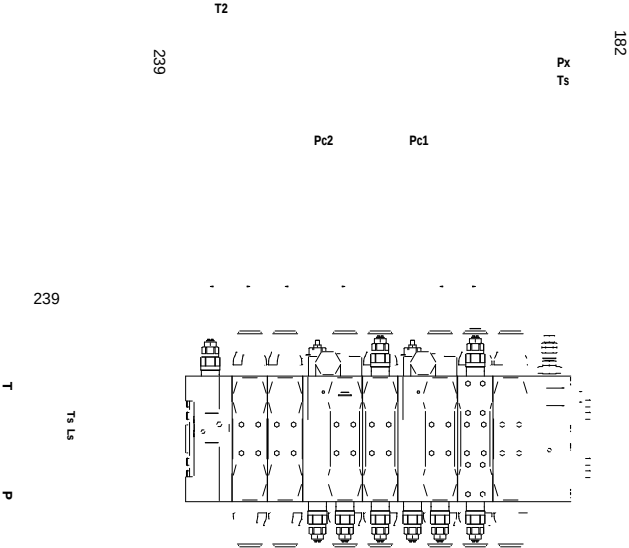


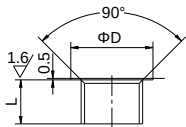
• HVS 25

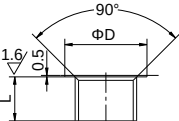
01

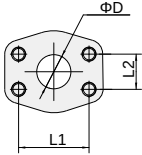


· HVS 25





	HVSE04	ISO 1179-1			ΦD	L
		P, T	!	G3/8	28	12
		A / B LS Tq Pn	Pn	G1/4	20	12.5
		a / b		G1/8	15	8.5
		ISO 1179-1			ΦD	L
	HVSE09	P, T1, T2, T3		G1/2	28	15
		A / B		G3/8	23	12.5
		a / b LS1, LS2 TS1, TS2 Pn	Pn	G1/4	20	12.5
		JIS B2351-1			ΦD	L
	HVSE12	P, T	!	G3/4	45	20
A / B			G1/2	34	16	
a / b LS Tq Pn		Pn	G1/4	24	12	
HVSE18		P, T	!	G1	51	21
		A / B		G3/4	45	20
	a / b LS Tq Pn	Pn	G1/4	24	12	
HVS25	A2 B2 A3 B3 A7 B7		G1	51	21	
	T2		G3/4	45	20	
	Tq		G3/8	28	12	
	a / b LS Pn Pv Pc1 Pc2 PA PB PT	Pn ! Pv Pc1 ! Pc2 PA PB PT	G1/4	24	12	

	HVS25	SAE J518			ΦD	L1	L2
		(A1) (B1) A4 B4 A5 B5 A6 B6 P1 (P2)		1'	25.4	52.4	26.2
		T1		1-1/4'	31.8	58.7	30.2

