

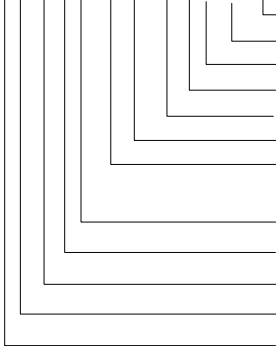
- Replace with _____
- * Gate valves
 - * Globe valves
 - * Ball valves
 - * Utility valves

E-Z

/ , ' , , / PN16 / LPG/ LNG

VBF47.XXX

VBF47.1252LDG01



Type of ext. tube
 Finishing: G=Galvanized, N= Nickel coating, P=Painted
 Flange type: D=DIN ,K=KS, J=JIS, B=BS, I=ISO, X=Option
 : E=Equal %, L=Linear, F=Floating(On-Off)
 Test point: 0= none, 1= 2 plugs, 2=Test cocks,
 (DIN):15=15, 25,32,40,50,65,80, 90=100, 91=125, 92=150
 1:Medium 1: water 2: Steam/air/Water 3:Oil, 4:Gas,LNG,LPG
 5:Ref.R22,R104,NH3, 9:Option
 :
 (PN:Bar): 2: 6 Bar, 3=10, 4: 16, 5::20/25, 6: 40
 : G: , F: , W:
 : B : Balancing
 :



(Balancing)

Nickel

20mm : 15mm~ 80mm
 40mm : 100mm~ 200mm
 50mm : 250mm ~ 400mm

/ 가

: +160

:-15 ,

- () ,

- () 50% abs...2Bar

- 160

- R12,R22,R502,R104,NH3 (가)

: 16Bar(1600kPa)

: Direct: 0.02%,Reverse: 0%

: ISO2084, BS4505

* 가

(Type summary)

(Valve bodies)

(Plugs)

DIN	(Type)	Kvs	max. P _{v100} in kPa		(Type of plugs)							
mm	(Model)	m ³ /h	K _{vs} /K _r		mm	par	per	pro	Br	sts	TFE	GTFE
15	VBF47.113	0.9	>50	600 780	20	0	0					
15	VBF47.114	1.9	>50	600 780	20	0	0					
15	VBF47.115	3	>50	600 780	20	0	0					
20	VBF47.120	5	>100	600 780	20	0	0					
25	VBF47.125	7.5	>100	600 780	20	0	0					
32	VBF47.132	12	>100	600 780	20	0	0					
40	VBF47.140	19	>100	600 780	20	0		0				
50	VBF47.150	31	>100	600 780	20	0		0				
65	VBF47.165	49	>100	350 450	40	0		0				
80	VBF47.180	78	>100	250 325	40	0		0				
100	VBF47.190	124	>100	150 195	40	0		0				
125	VBF47.191	200	>100	100 130	40	0		0				
150	VBF47.192	300	>100	70 90	40	0		0				
200	VBF47.193	500	>100	50 65	50	0		0				
250	VBF47.194	780	>100	30 50	50	0		0				
300	VBF47.195	1250	>100	30 50	50	0		0				

 * : 100kPa=1Bar=10mWG | max. P_{v100}= 가

 P_{v100} = 가

 K_{vs} = 1Bar

 K_r = 1Bar

 | P_{max} = 가

 (m³/h)

 (m³/h)

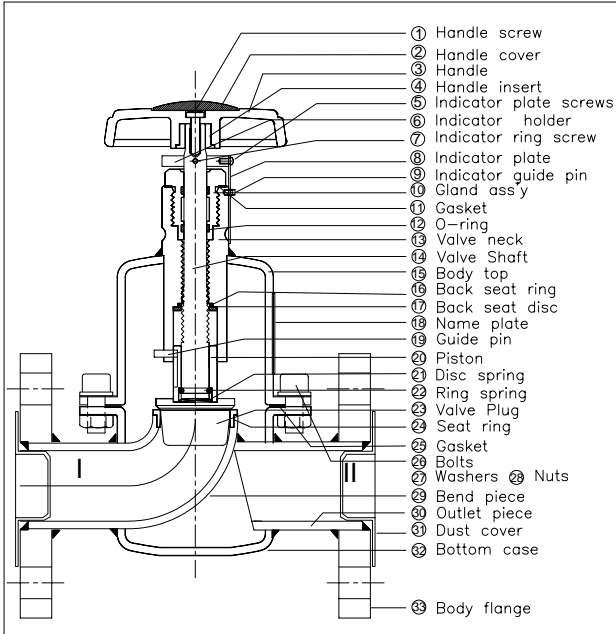
가

P4001...

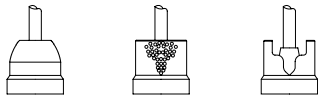
가

(Back seat)가

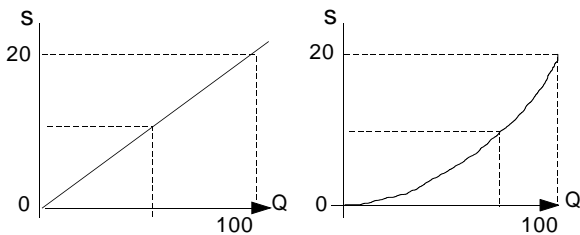
가



()



Parabolic Perforated Profiled



(Linear)

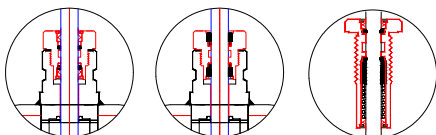
(Equal %)

()

()

가 가

가



a

b

c

d

a=

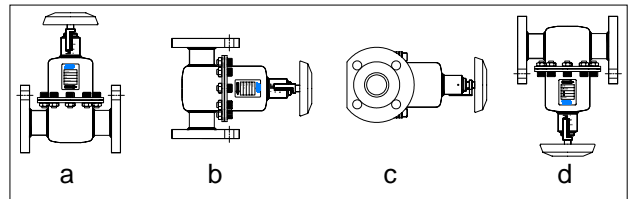
b=

c= /

d=

*

34001..



I II (Direct flow)

a.

b. ()가

c. ()

d. 가

b. $K_v=31$ $K_v=19$

$K_v=19$ DIN40

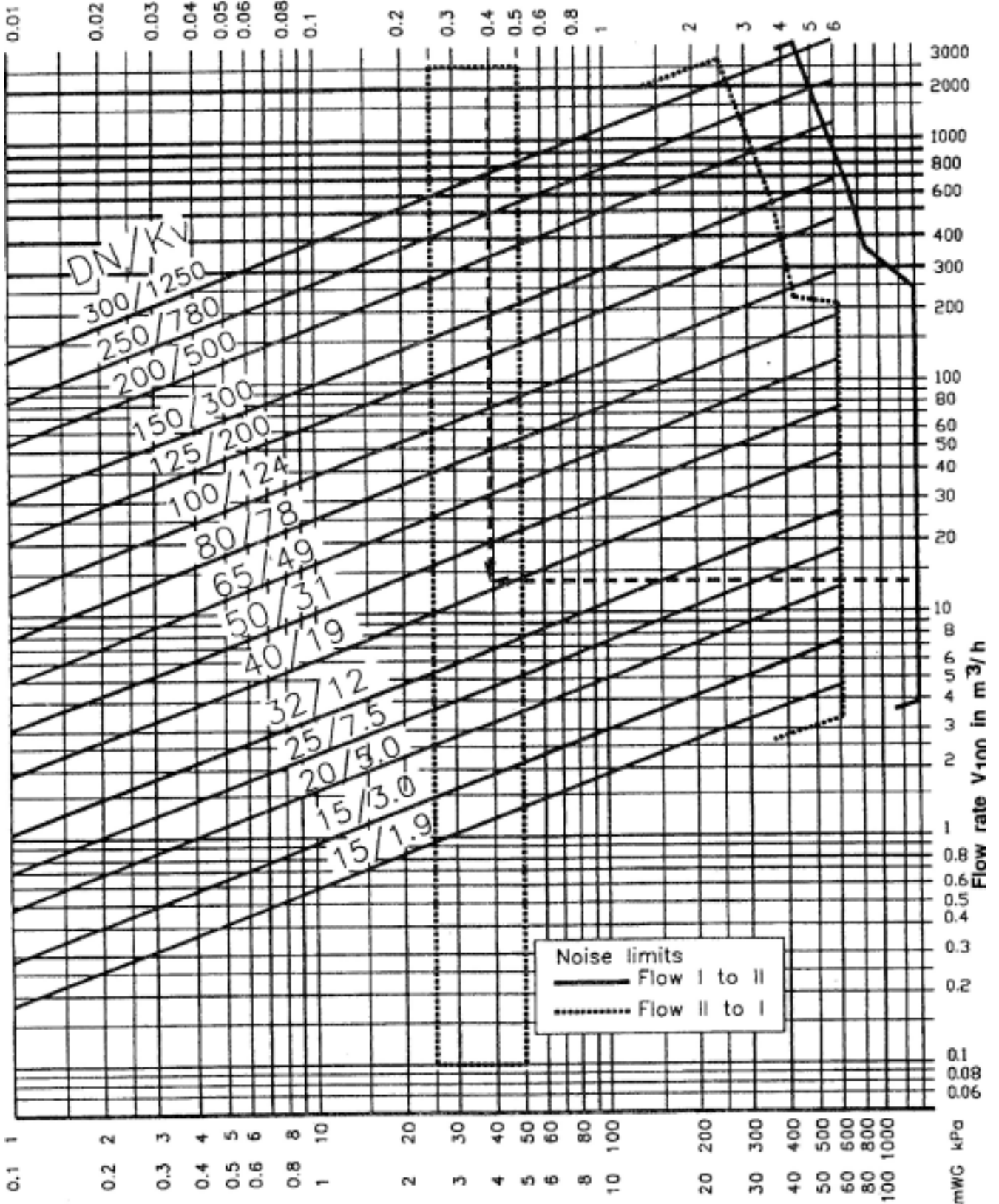
: $P=0.35$ Bar $K_v=13$

$K_v=19$:VBF47.140 ;40mm(1-1/4")

a. P 0.35 Bar 가 13 m³/h

Valve type:VBF47..

Pressure drop P_{v100} in Bar



Recommended selection in $P_{v100} = 0.3$ Bar

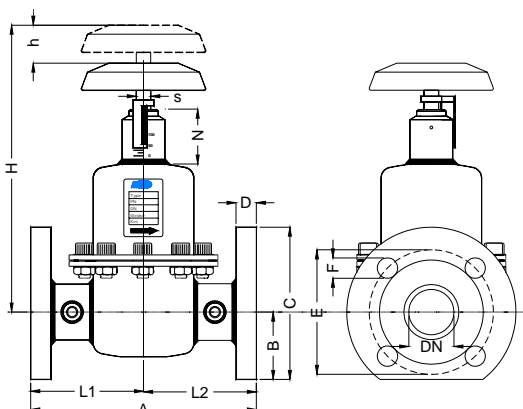
1m³/h=0.278kg/s water at 20



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-
-
-

(Dimension)

*1000Nf = 100Kf



* Dimension in mm

DIN		A	B	C	D	E	F	H	h	N	S	Wt
mm	Inch											Kg
15	1/2"	130	50	100	10	20	12x4	200	20	44	12	
15	1/2"	130	50	100	10	20	12x4	200	20	44	12	
15	1/2"	130	50	100	10	20	12x4	200	20	44	12	
20	3/4"	130	50	100	10	20	12x4	200	20	44	12	
25	1"	160	80	115	16	20	14x4	200	20	44	12	
32	1 1/4"	200	100	150	18	20	18x4	200	20	44	12	
40	1 1/2"	200	100	150	18	20	18x4	200	20	44	13	
50	2"	230	115	165	20	20	18x4	200	20	44	13	
65	2 1/2"	290	145	185	20	40	18x4	250	30	36	14	
80	3"	310	155	200	22	40	18x8	296	30	36	14	
100	4"	350	175	220	24	40	18x8	342	30	36	16	
125	5"	400	200	250	26	40	18x8	360	30	36	16	
150	6"	480	240	285	26	40	22x8	400	40	32	18	
200	8"	600	305	345	29	50	22x12	420	40	30	20	
250	10"	720	370	400	29	50	22x12	460	50	30	20	
300	12"											