

# Series W-STBV-25Q

W-STBV-25Q-EN-202010

## Static Balancing Valve

### Size: DN65-DN500

The Series W-STBV static balancing valves are designed for flow balancing in cooling, heating or process water systems. Its measuring points enable convenient system troubleshooting.

### Features

- Accurate flow control
- Numerical indicator of opening degree on the hand wheel
- Lockable set position
- Shut-off function for troubleshooting or maintenance
- Self-sealing measuring points to protect against leakage
- Using balanced valve core, easy to adjust
- The hand wheel adopt the die casting aluminum, strong and durable
- The hand wheel wrench connection with energy saving



### Material

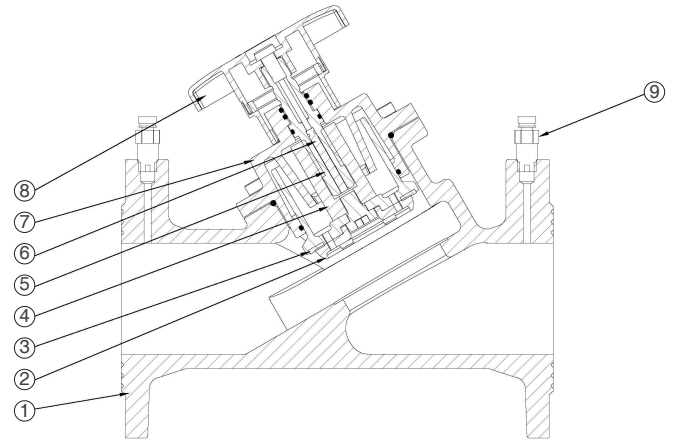
NO.	Component	Material
1	Body	Ductile Iron GGG40
2	Core	Ductile Iron GGG40
3	Seat Sealing	EPDM
4	Shaft Barrel	DN65-150 Brass HPb59-1 DN200-500 Ductile Iron GGG40
5	Stem	Brass HPb59-1
6	Limit Valve Core	Brass HPb59-1
7	Cover	Ductile Iron GGG40
8	Handwheel	DN65-300 Nylon 66 DN350-500 Ductile Iron GGG40
9	Measuring Mouth	Brass HPb59-1

### Specification

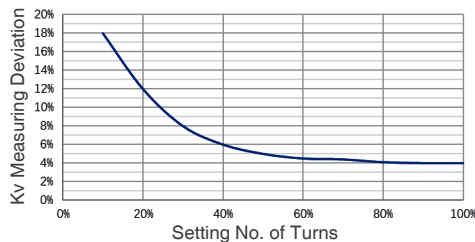
- Nominal Pressure: PN25
- Working Temperature: -10~120°C
- Connect Standard: GB/T 17241.6, ISO7005
- Working Medium: cold and hot water/ethylene glycol

### Product Model

Type	Size	Kvs	EDP
W-STBV065-25Q	DN65	92.7	61170004
W-STBV080-25Q	DN80	114.5	61170005
W-STBV100-25Q	DN100	187.5	61170006
W-STBV125-25Q	DN125	286.5	61170007
W-STBV150-25Q	DN150	395.0	61170008
W-STBV200-25Q	DN200	758.0	61170009
W-STBV250-25Q	DN250	1102.5	61170010
W-STBV300-25Q	DN300	1516.6	61170011
W-STBV350-25Q	DN350	2115.0	61170012
W-STBV400-25Q	DN400	3050.0	61170013
W-STBV450-25Q	DN450	3720.0	61170014
W-STBV500-25Q	DN500	4180.0	61170015



### Kv Value Curve



### Product Type

W	WATTS	W-	STBV	065-	25	Q
STBV	Static Balancing Valve					
Size						
065-DN65	080-DN80					
100-DN100	125-DN125					
150-DN150	200-DN200					
250-DN250	300-DN300					
350-DN350	400-DN400					
450-DN450	500-DN500					
Pressure	PN25					
Body Material	Ductile Iron					

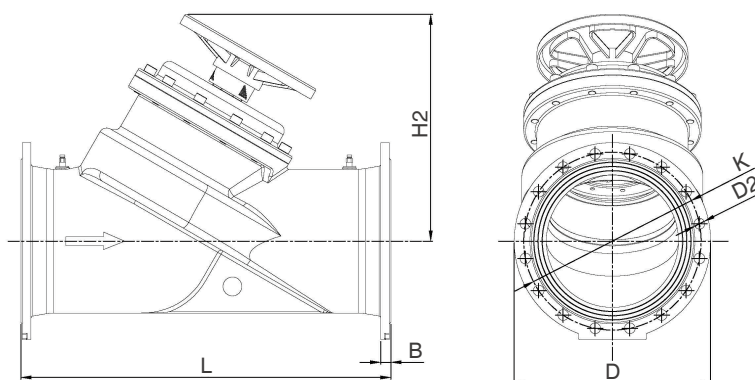
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### Kvs

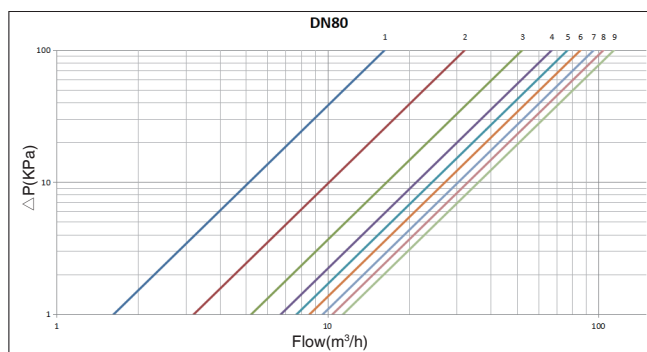
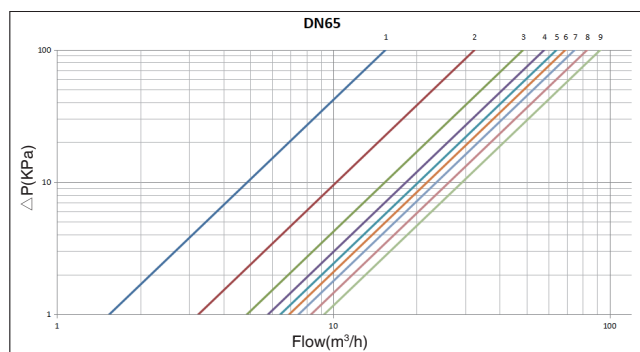
Turns	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300	DN350	DN400	DN450	DN500
1	15.5	16.3	26.0	22.0	27.9	67.0	109.0	128.0	167.2	208.0	240.5	305.2
2	32.5	32.2	45.0	53.0	54.9	127.0	184.0	211.1	240.0	344.0	396.5	518.0
3	48.7	52.5	59.0	74.0	76.8	191.0	264.0	290.3	330.0	452.0	548.0	724.0
4	58.1	67.5	69.0	96.0	97.6	278.0	356.0	350.6	485.0	651.0	749.0	1024.0
5	64.4	77.2	95.0	125.0	117.2	388.7	438.8	481.2	658.0	824.0	915.0	1315.0
6	69.2	86.2	127.0	156.0	143.2	474.3	538.6	624.2	824.0	1054.5	1242.0	1592.0
7	74.9	96.4	144.5	193.0	186.5	558.7	661.7	731.0	1045.0	1380.0	1541.0	1890.0
8	83.1	104.7	166.5	226.0	225.2	638.1	770.0	886.9	1215.0	1542.0	1792.0	2142.0
9	92.7	114.5	187.5	253.2	265.9	719.5	826.7	1042.1	1420.0	1765.0	2046.0	2586.0
10				286.5	321.5	758.0	920.0	1177.3	1685.0	1980.0	2425.0	2845.0
11					362.6		1010.0	1330.1	1824.0	2220.0	2680.0	3192.0
12					395.0		1102.5	1429.1	1988.0	2480.0	2880.0	3480.0
13								1516.6	2115.0	2620.0	3180.0	3640.0
14										2750.0	3350.0	3892.0
15										2940.0	3580.0	4024.0
16										3050.0	3720.0	4180.0

### Installation Dimensions



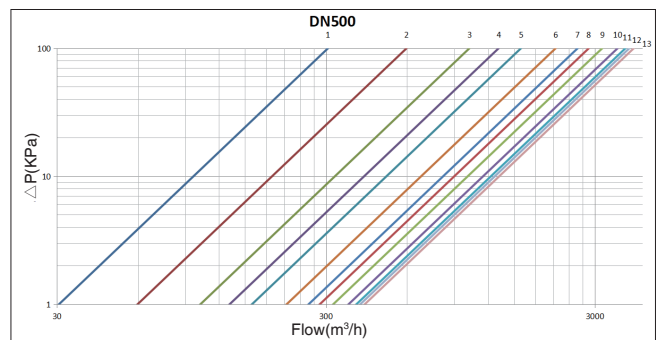
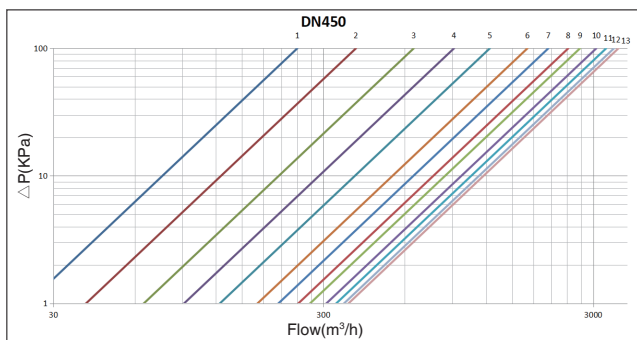
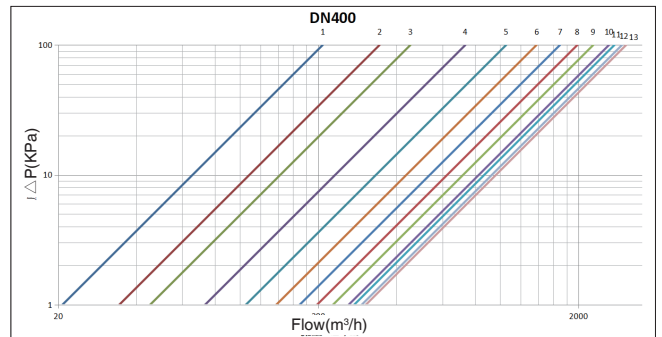
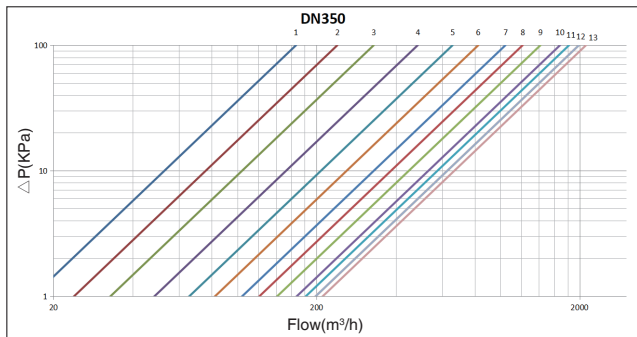
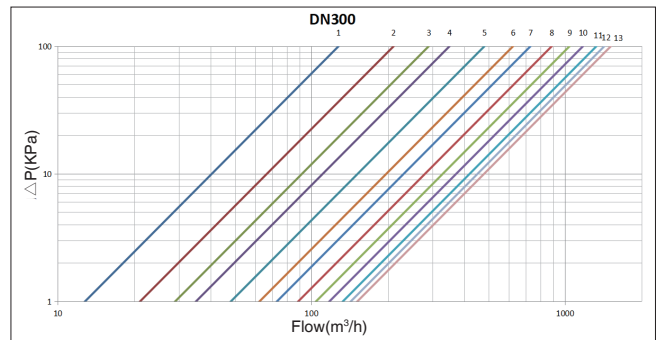
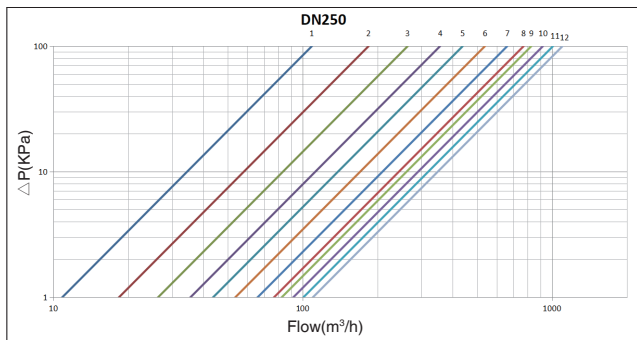
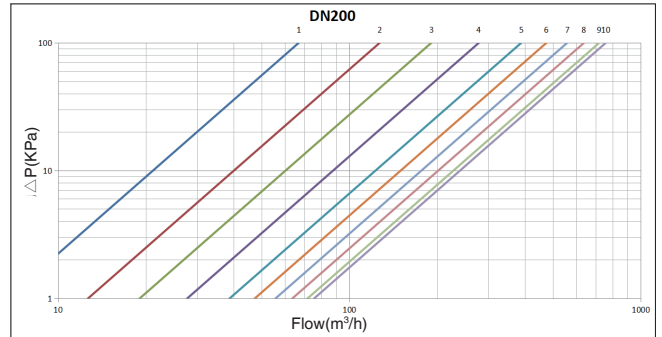
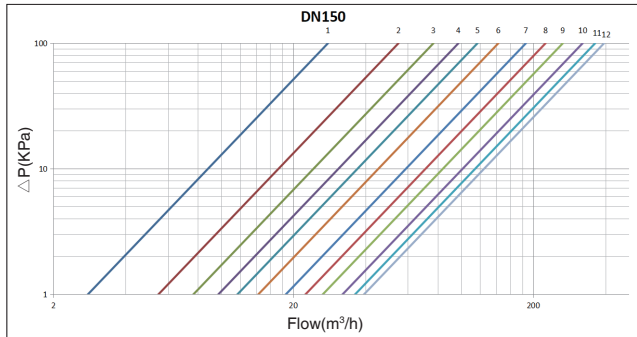
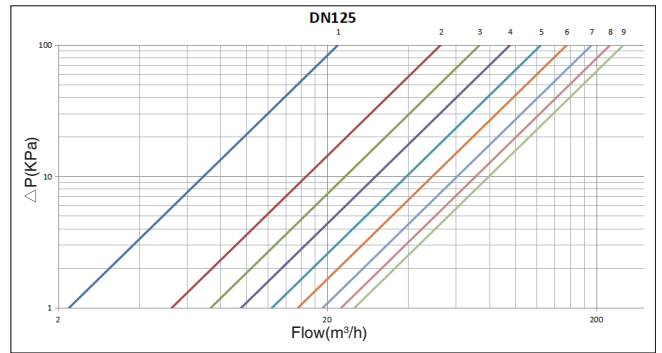
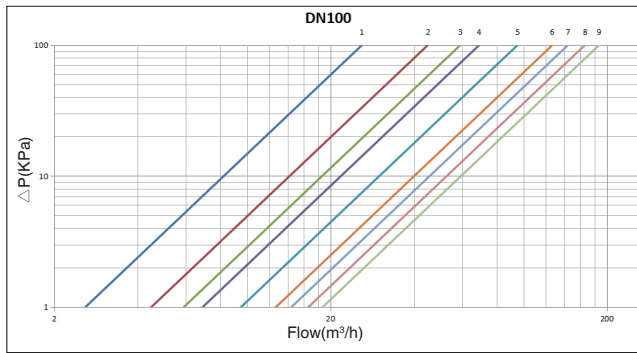
Type	B(mm)	K(mm)	D2(mm)	D(mm)	L(mm)	H2(mm)	Weight(Kg)
W-STBV065-25Q	19	145	8-19	185	290	200	15.5
W-STBV080-25Q	19	160	8-19	200	310	210	20
W-STBV100-25Q	19	190	8-23	235	350	246	26
W-STBV125-25Q	19	220	8-28	270	400	256	38
W-STBV150-25Q	20	250	8-28	300	480	286	52
W-STBV200-25Q	22	310	12-28	360	600	460	99
W-STBV250-25Q	24.5	370	12-31	425	730	493	146
W-STBV300-25Q	27.5	430	16-31	485	850	535	200
W-STBV350-25Q	30	490	16-34	555	980	595	321
W-STBV400-25Q	32	550	16-37	620	1100	635	438
W-STBV450-25Q	34.5	600	20-37	670	1200	688	589
W-STBV500-25Q	36.5	660	20-37	730	1250	745	705

### Characteristic Curves



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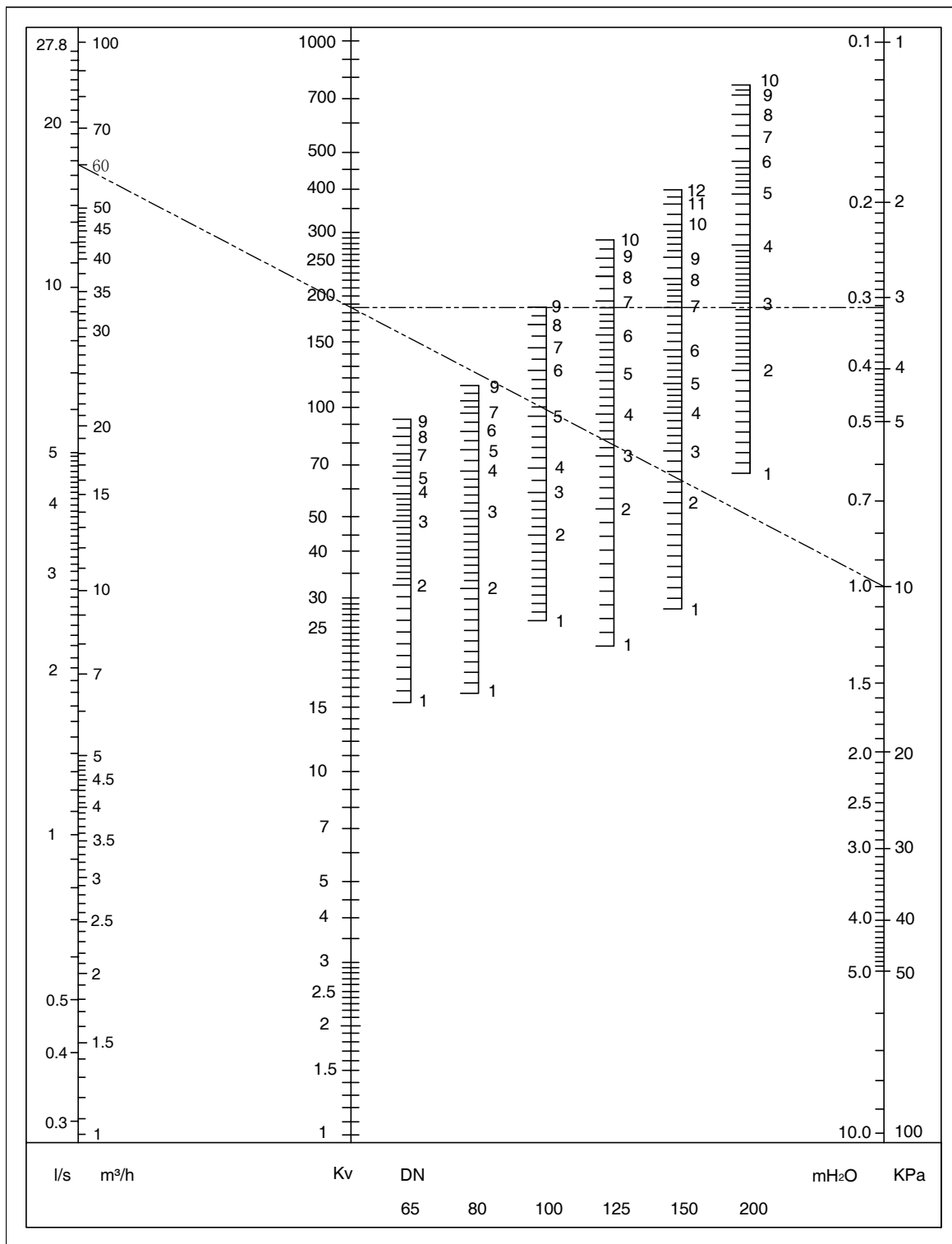




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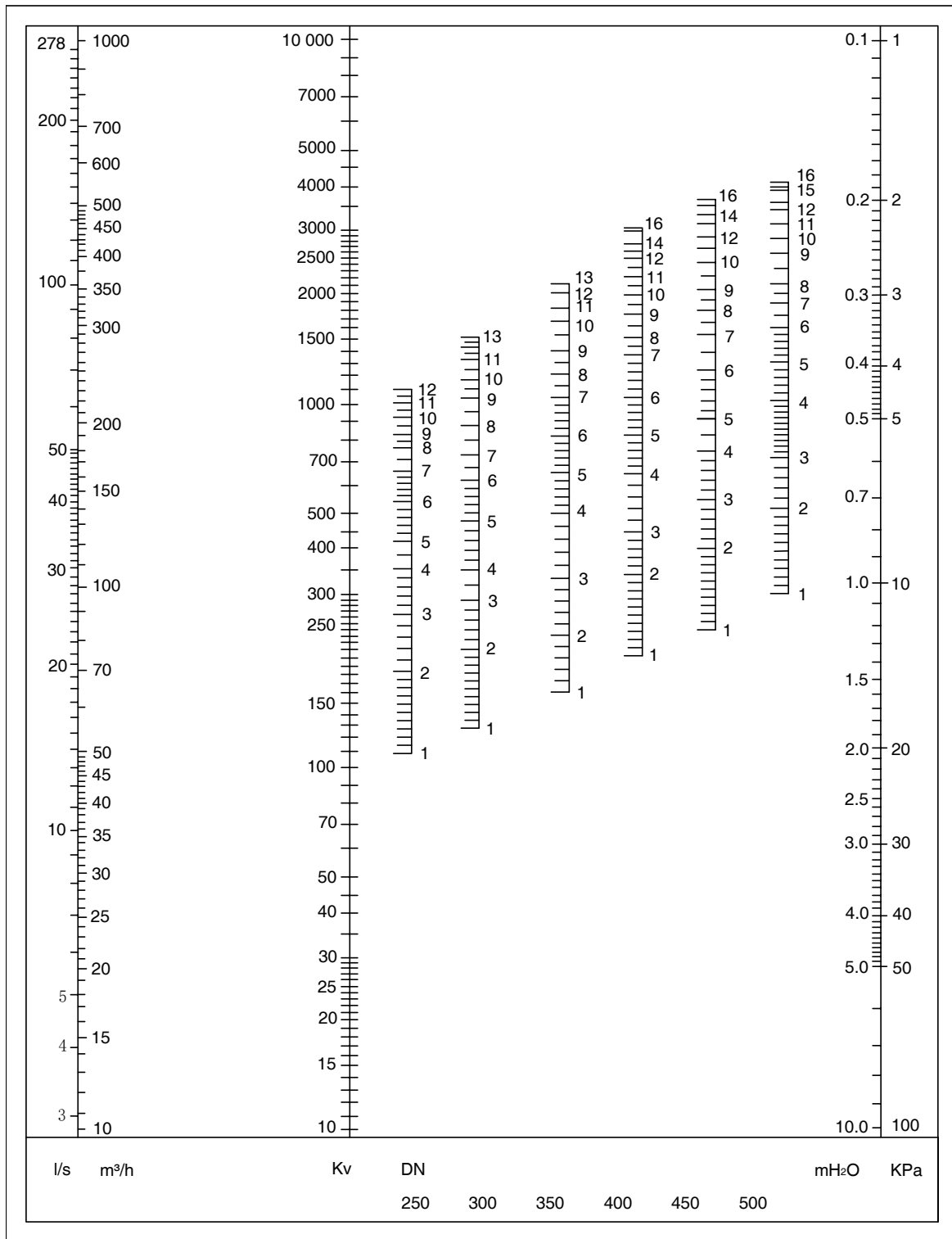


## Selection Drawing



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