



**Standards**

Design and Manufacture: BS1873, BS EN 13709  
 Face to Face Dimensions: DIN 3202, BS EN 558-1  
 Flange Ends Dimensions: DIN 2543-2551, BS EN 1092-1  
 Test & Inspect: DIN 3230, BS EN 12569

**Percentage open area**

Even the mesh is same:  
 open area not always same  
 due to the diameter of wire.  
 The details of wire as follows:

A: Number of Wire  
 B: Diameter of Wire  
 C: Width of Opening  
 D: Percentage of OPEN AREA

MESH	A SWG	B m/m	C m/m	D %
5	20	0.914	4.166	67.3
10	22	0.711	1.829	51.8
20	28	0.356	0.914	51.8
30	32	0.274	0.572	45.7
40	36	0.193	0.442	48.4
50	37	0.172	0.336	43.6
60	38	0.152	0.271	41.0
80	40	0.122	0.195	37.8
100	42	0.102	0.152	35.8
120	43	0.092	0.119	31.8
150	45 <sup>1</sup> / <sub>2</sub>	0.066	0.103	37.1
180	46 <sup>1</sup> / <sub>2</sub>	0.053	0.088	38.9
200	47	0.051	0.076	35.8
250	48	0.040	0.062	37.7
300	48	0.039	0.044	27.6

**Parts and material list**

Part Name		Material		
1	Body	DIN 17245 GS-C25	DIN 17445 1.4308	DIN 17445 1.4308
2	Screen	ASTM 182 F304	ASTM 182 F304	ASTM 182 F316
3	Bonnet Bolt	ASTM 193 B7	ASTM 193 B8	ASTM 193 B8
4	Bonnet Nut	ASTM 194 2H	ASTM 194 8	ASTM 194 8
5	Gasket	Graphite+SS304	Graphite+SS304	Graphite+SS316
6	Bonnet	DIN 17245 GS-C25	DIN 17445 1.4308	DIN 17445 1.4308

**Dimensions**

PN16(DIN 3202-F <sub>1</sub> )																			
DN	mm	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	500	600
L	mm	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980	1100	1250	1450
H	mm	98	103	108	115	140	150	175	205	245	285	335	415	490	570	580	618	730	890
PN25(DIN 3202-F <sub>1</sub> )																			
DN	mm	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	500	600
L	mm	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980	1100	1250	1450
H	mm	98	103	108	115	140	150	175	205	245	285	335	415	490	570	580	618	730	890
PN40(DIN 3202-F <sub>1</sub> )																			
DN	mm	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	500	600
L	mm	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980	1100	1250	1450
H	mm	98	103	108	115	140	150	175	205	245	285	335	415	490	570	580	618	730	890

Noted: The chart above only lists out some common composition of steel globe valve pans We may provide other different parts material composition according to the customer's request or the actual valve working condition