



NPS-DN & Pressure Class-PN General Information



Nominal Pipe Size (NPS) is based on inches and is listed throughout ASME piping standards. ASME B36.10M "Welded and Seamless Wrought Steel Pipe"

Diameter Nominal (DN) is based on millimeters and is standardized in ISO 6708 "Pipework components - Definition and selection of DN (nominal size)"

NPS	DN
1/8	6
1/4	8
3/8	10
1/2	15
3/4	20
1	25
1 1/4	32
1 1/2	40
2	50
2 1/2	65
3	80
3 1/2	90
4	100
4 1/2	115
5	125
6	150
8	200

NPS	DN
10	250
12	300
14	350
16	400
18	450
20	500
22	550
24	600
30	750
36	900
40	1000
42	1050
48	1200
56	1400
60	1500
72	1800
80	2000

Pressure Class is based on press class grouping listed throughout the ASME piping standards. ASME B16.5 "Pipe Flanges and Flanged Fittings"

Pressure Nominal (PN) is based on groupings and is standardized in ISO 7268 "Pipe components - Definition of nominal pressure"

The pressure rating on this table does not mean design pressure (bar or psi). Factors such as temperature and material should be considered to select a pressure rating.

Pressure Class	PN
150	20
300	50
400	64
600	100
900	150
1500	250
2500	420

For unlisted larger sizes multiply the NPS by 25 for DN.

* This information is provided for quick references, always consult applicable ASME, ASTM, ISO, and Manufacture's standards.