

CPVC pipe

PRODUCT GUIDE · PIPING-07

CPVC is a chlorinated PVC piping material used where the selected system meets the fluid and temperature requirements.

Application

Process lines and suitable hot-fluid services.

Configuration options

Different schedules or pressure classes; socket, threaded and flanged transitions.

CPVC · ASTM F441 · IPS Sch 80

Outside diameter, wall and bore are in millimetres. NPS/inch sizes are nominal designations.

IPS inch dimensions converted using 25.4 mm/inch. Average ID is a separate published reference, not OD minus twice minimum wall. Australian metric pipe uses a different dimensional system.

Size	Outside Ø	Minimum wall	Reference average ID*
NPS 1/2 in	21.336	3.7338	13.3604
NPS 3/4 in	26.67	3.9116	18.3388
NPS 1 in	33.401	4.5466	23.7744
NPS 1 1/4 in	42.164	4.8514	31.877
NPS 1 1/2 in	48.26	5.08	37.4904
NPS 2 in	60.325	5.5372	48.5902
NPS 2 1/2 in	73.025	7.0104	58.166
NPS 3 in	88.9	7.62	72.7456
NPS 3 1/2 in	101.6	8.0772	84.4804
NPS 4 in	114.3	8.5598	96.1644
NPS 5 in	141.3002	9.525	121.1072
NPS 6 in	168.275	10.9728	145.0086
NPS 8 in	219.075	12.7	192.151
NPS 10 in	273.05	15.0622	241.1222
NPS 12 in	323.85	17.4498	286.8676

Common IPS nominal sizes ½–12 inches. OD/minimum wall and published average ID may come from separate technical tables; the offered product and tolerances must be confirmed. No pressure rating or stock availability is implied.

Details to include in your enquiry

Outside diameter and dimensional standard · Fluid concentration and temperature · System-compatible fittings and cement

Technical references

[Dimensional Catalog, Pressure, DC-PR — open reference](#) · Catalogue · Confirm current revision with quotation

[Schedule 80 CPVC Pipe Dimensions & Pressure Ratings — open reference](#) · Drawing / dimensions · Confirm current revision with quotation