

IFANNova Pipe Size Chart

Manufactured range across PPR, UPVC 806, HDPE, PVC 902, PEX and brass. Every wall figure is read from our product catalogue, size by size — none is derived from an SDR ratio, because a derived figure is not manufacturing data. Where we genuinely do not publish a wall (PEX, brass), this chart says so instead of filling the gap.

1. Wall thickness by outside diameter — every size we make

OD (mm)	PPR 1103 PN 20	UPVC 806 PN 16	HDPE PN 16	PVC 902 drainage
20	2.8	2.0	2.3	—
25	3.5	2.0	2.3	—
32	4.4	2.4	3.0	1.6
40	—	3.0	3.7	1.6
50	—	3.7	4.6	1.8
63	—	4.7	5.8	1.8
75	—	5.6	6.8	1.8
80	—	—	—	1.8
90	—	6.7	8.2	1.8
100	—	—	—	2.2
110	—	7.2	10.0	2.2

All wall figures in millimetres, from our product catalogue. A dash means we do not make that system in that diameter — not that the figure is unavailable. PPR is manufactured in three sizes only; that is the real extent of the range, not a gap in our data. PVC 902 is drainage duty and carries no pressure class.

2. Series, lengths and what sits outside the table

System	Series	Diameter range	Length / form
PPR	1103 pipe / 1138 fittings	20 – 32 mm	4 m
UPVC 806	WP55 pipe / 1806 fittings	Φ20 – Φ110 (fittings to Φ110)	4 m
HDPE	pipe / 603 + 604 compression fittings	Φ20 – Φ110 (fittings to Φ110)	coil / straight
PVC 902	902 pipe / 1902 fittings	pipe Φ32 – Φ110; fittings to Φ160	4 m
PEX	2114 sliding sleeve / 2121 press	16 – 32 mm	wall and class not published — confirm on enquiry
Brass	2405 fittings / 81xxx valves	1/4" – 1" thread-designated	—

Note the PVC 902 row. The pipe stops at Φ110; only the 1902 fittings reach Φ160. A bill of quantities calling for Φ160 pipe in 902 is asking for something we do not make.

3. Where our range stops

Our pressure-pipe ceiling is Φ110. PPR stops at 32 mm. In PVC 902, only the fittings reach Φ160 — the pipe itself stops at Φ110, and the whole system is non-pressure drainage. We do not manufacture DN 150 – DN 400 distribution mains, and we will say so rather than quote and subcontract. If your bill of quantities spans both, send us the portion at Φ110 and below and source the mains elsewhere.

4. Three things that cost buyers money

Trap	What happens
DN is not a diameter	DN is a dimensionless designation. It fixes neither the outside diameter nor the bore. Ordering "DN 90" without statin

Trap	What happens
90 mm plastic vs 88.9 mm steel	They look identical across a warehouse and will not mate. Always state the system (metric plastics dn, or NPS/steel)
Inch names on PPR are trade conversions	Calling 25 mm PPR "three-quarter inch" is a shop-floor habit, not a standards conversion. On a purchase order, use

5. What to send us for a straight answer

Send this	Why it matters
Designation system you are working in	DN, NPS and metric dn are different systems
Outside diameter and wall, or the pressure class	One of the two pins the size down; DN alone does not
Material and, for PE, the resin grade	The same SDR gives a different PN on a different resin
Service temperature	Pressure classes are declared at 20 °C and derate above it
Quantity per size	Drives whether it runs as a production batch or from stock

IFANNova — French brand, European design standards. Manufactured in our own facility by Zhuji Fengfan Piping Co., Ltd, Zhejiang, China. **Nothing in our range is made in France.**
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 Certificate numbers, MOQ, lead time and pricing: confirmed per enquiry. Figures in this chart are catalogue values, current at time of publication.