FV PLAST®

... more than pipes

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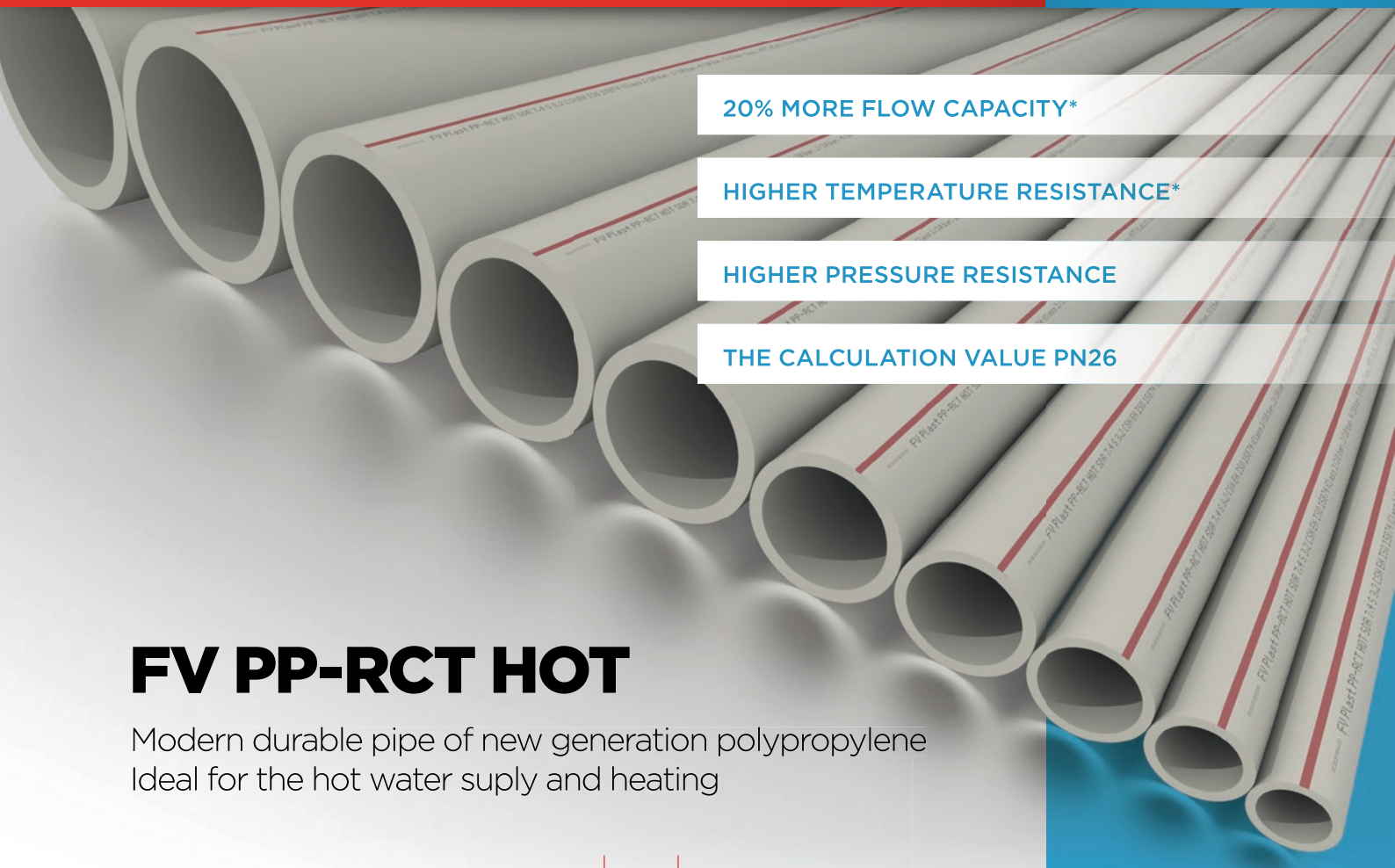
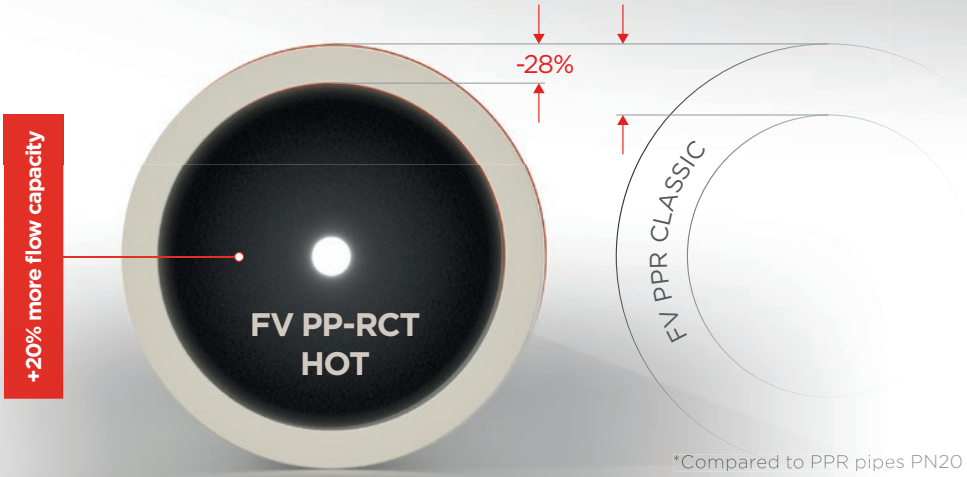


- 20% MORE FLOW CAPACITY*
- HIGHER TEMPERATURE RESISTANCE*
- HIGHER PRESSURE RESISTANCE
- THE CALCULATION VALUE PN26

FV PP-RCT HOT

Modern durable pipe of new generation polypropylene
Ideal for the hot water suply and heating



*Compared to PPR pipes PN20

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FV PP-RCT HOT

Principle

Modern material PP-RCT gives proven PPR pipes a new features. The basis is a special process „β-nucleation“ significantly improving the crystalline structure of random copolymer PP. This allows the tubes with the same or a lower wall thickness could operate at higher pressure and at elevated temperatures. Pressure tests of pipes made of PP-RCT exhibit a strength of 5 MPa after 50 years at 70°C compared to 3.2 MPa achieved with standard materials PPR.

The advantage of PP-RCT is also beneficial course of lifetime curves (isotherms), which is always linear in its entirety, while for PP-R materials occurs above 70°C, a rapid decrease in pressure resistance and durability of the tubes.

Main benefits

- **Up to 20% larger flow profile than comparable pipe PPR under PN20**
- **Ease of joining proven technology polyfusion joining**
- **The higher operating temperature range**
- **More than 50-year service life**

Fields of application

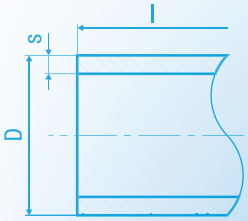
- **Potable water suply**
- **Domestic hot water suply**
- **Heating circuits for supplying the radiator all the type with temperature up to 90°C**
- **For applications up to 20°C / 2.0 MPa - 70°C / 1,0 MPa**

Technical parameters

Color:	**gray RAL 7032, red stripes**	Wall composition:	**PP-RCT**
Pressure resistance at 20°C:	**2,0 MPa**	SDR:	**7,4**
Pressure resistance at 70°C:	**1,0 MPa**	Series „S“:	**3,2**
Thermal linear expansion:	**0,15 (mm/mK)**		

							D [mm]	s [mm]	SDR	l [m]
20 × 2,8	m	100	0,148	0,44	AA112020004	BA112020004	20	2,8	7,4	4
25 × 3,5	m	60	0,230	0,73	AA112025004	BA112025004	25	3,5	7,4	4
32 × 4,4	m	40	0,370	1,10	AA112032004	BA112032004	32	4,4	7,4	4
40 × 5,5	m	24	0,575	1,83	AA112040004	BA112040004	40	5,5	7,4	4
50 × 6,9	m	16	0,896	2,75	AA112050004	BA112050004	50	6,9	7,4	4
63 × 8,6	m	12	1,410	4,07	AA112063004	BA112063004	63	8,6	7,4	4
75 × 10,3	m	8	2,010	5,50	AA112075004	BA112075004	75	10,3	7,4	4
90 × 12,3	m	4	2,870	9,17	AA112090004	BA112090004	90	12,3	7,4	4
110 × 15,1	m	4	4,300	10,31	AA112110004	BA112110004	110	15,1	7,4	4
125 × 17,1	m	4	5,530	12,27		BA112125004	125	17,1	7,4	4

Dimension | Unit | Amount in a large package | kg/unit | dm³/unit



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