

3. Technical parameters of the New BRADO-R distribution well

Table 1. New BRADO - technical parameters

PARAMETER	New BRADO - R
Number of sections (SK)	2-12 [pairs]
Material of chamber/manifold	HDPE/HDPE
Manifold pressure class	PN16
Standard collector pipe diameter (SK)	25, 32, 40 [mm]
SK pipe welding method	Thermal polyfusion
Standard connection tube diameter (RD)	40, 50, 63, 75, 90 [mm]
RD pipe welding method	Thermal polyfusion
Diameter of manifold main supply	Ø200 [mm]
Nickel plated brass internal thread socket for air vent/ filling up	½"
A flowmeters range	2-12 [dm ³ /min]
B flowmeters range	8-38 [dm ³ /min]
C flowmeters range	20-70 [dm ³ /min]
Angle flowmeters range	5-50 [dm ³ /min]
Dimensions: Height/outside bottom part diameter/inside diameter	803/738/650 [mm]
Maximum foundation depth	1300 [mm]

3.1 The New BRADO weight, pressure losses and capacity

Table 2. The New BRADO technical data

Sections	New Brado Weight	Capacity	Antifreeze liquid			
			Manifold pressure drop for a flow of 0.5 m ³ /h per section		Manifold pressure drop for a flow of 1.5 m ³ /h per section	
			Ethylene glycol water solution 20E15 (-15°C)	Propylene glycol water solution 20P15 (-15°C)	Ethylene glycol water solution 20E15 (-15°C)	Propylene glycol water solution 20P15 (-15°C)
-	[kg]	[dm ³]	[kPa]	[kPa]	[kPa]	[kPa]
2	21	4,7	1,63	1,76	16,30	16,60
3	23	4,9	2,00	2,07	19,14	19,26
4	25	5,2	2,49	2,61	23,08	22,95
5	27	5,5	3,10	3,23	28,11	27,67
6	29	8,7	1,74	1,84	17,11	17,57
7	31	9,0	1,87	1,98	18,24	18,69
8	33	9,2	2,03	2,13	19,53	19,97
9	35	9,5	2,20	2,31	20,99	21,43
10	37	9,7	2,40	2,50	22,63	23,04
11	39	10,0	2,61	2,71	24,43	24,83
12	41	10,3	2,84	2,95	26,40	26,79

Approximate values. Calculation condition up to 5 SK (manifold bar 160 diameter, RD 40 dia., SK 32 dia.) over 5 SK (bar 200, RD 63 dia., SK 32 dia.)