

## Attachments

### Attachment 3. Recommended Connection Technology

#### 280 bar – Section Table — Carbon Steel Pipes

Pipe	Volume Flow* [l/min]	Weight [kg/m]	Connection Type	Flange Size	Flange Type
6X1.5ST37.4NBK	2	0.17	DIN/JIC –fittings		
8X1.5ST37.4NBK	6	0.24			
10X2ST37.4NBK	8	0.40			
12X1.5ST52.4NBK	19	0.39			
16X2ST52.4NBK	34	0.69			
20X2.5ST52.4NBK	53	1.08			
25X2.5ST52.4NBK	94	1.39	37° Flare flange	1/2"	308F
30X3ST52.4NBK	136	2.00	37° Flare flange	3/4"	312F
38X4ST52.4NBK	212	3.35	37° Flare flange	1"	316F
42X4ST52.4NBK	272	3.75	37° Flare flange	1 1/4"	320F
50X5ST52.4NBK	377	5.55	37° Flare flange	1 1/2"	324F
60X6ST52.4NBK	543	8.04	37° Flare flange	2"	332F
73X7ST52.4NBK	820	11.39	37° Flare flange	2 1/2"	440F
80X10ST52.4NBK	848	17.2	Retain ring flange	2 1/2"	440
97X12ST52.4NBK	1256	25.2	Retain ring flange	3"	448
115X15ST52.4NBK	1702	37.0	Retain ring flange	4"	456
130X15ST52.4NBK	2356	42.5	Retain ring flange	4 1/2"	860
150X15ST52.4NBK	3393	49.9	Retain ring flange	5"	864
190X20ST52.4NBK	5301	83.8	Retain ring flange	6"	880
250X25ST52.4NBK	9425	138.7	Retain ring flange	10"	896

#### 280 bar – Section Table — Stainless Steel Pipes

Pipe	Volume Flow* [l/min]	Weight [kg/m]	Connection Type	Flange Size	Flange Type
6X1AISI316L	4	0.07	DIN/JIC –fittings		
8X1.5AISI316L	6	0.24			
10X1.5AISI316L	12	0.31			
12X1.5AISI316L	19	0.39			
16X2AISI316L	34	0.69			
20X2.5AISI316L	53	1.08			
25X3AISI316L	85	1.63	37° Flare flange	1/2"	308F
30X4AISI316L	114	3.35	37° Flare flange	3/4"	312F
38X4AISI316L	212	3.38	37° Flare flange	1"	316F
56X8.5AISI316L	358	9.96	Retain ring flange	1 1/2"	324
66X8.5AISI316L	566	12.2	Retain ring flange	2"	332
80X10AISI316L	848	17.5	Retain ring flange	2 1/2"	440
97X12AISI316L	1256	25.5	Retain ring flange	3"	448
114.3X13.49AISI316L	1702	37.5	Retain ring flange	4"	456

NOTE! From 97 and up to 12" use ASTM A312 pipe.

\*) v = 5 m/s