

ER COLLECTING
230.251.002

CTING:
9 m³/h = 16.6 m³/day
VALVE:
17.3 m³/day

5	5124V670 →	5124V719	5124V719, 5124V860-5124V869
6	5124V720 →	5124V729	5124V721
7	→	--	--
8	5124V730 →	5124V860	5124V860, 5124V870
9	5124V790 →	5124V819	5124V816
10	5124V820 →	5124V829	5124V827

- COPPER PIPES ARE CONNECTED DN10-100 NORMALLY WITH SOLDERED JOINTS AND ONLY CONSUMERS CONNECTIONS ≤ DN32
PRESS CONNECTIONS OR LARGE ONES WITH FLANGE COLLAR CONNECTIONS
- FRESH WATER PIPING DESIGN PRESSURE 8.0 Bar
- FRESH WATER PIPING TEST PRESSURE 12.0 Bar
- WARM WATER MAIN LINES ARE INSULATED ACCORDING
KMY STANDARD 03.60.03H POINT 4.2.3 AND 331.18
- PIPE CLASS 3
- WELDED PENETRATION ≤ DN32 KMY STANDARD 616.123
PIPE PENETRATION WITH CSD-PLUGS ≥ DN32 KMY STANDARD 616.49

DIMENSIONING GUIDE

CABIN PCS	NOMINAL FLOW l/s	DIMENSIONING FLOW l/s (max 2 m/s)	DN
1 - 3	... 0.9	... 0,35	15
4 - 6	... 1.8	... 0,44	20
7 - 20	... 6.0	... 0.7	25
19 - 65	... 19.5	... 1.20	32
66 - 123	... 36.9	... 1.80	40
124 - 268	... 80.4	... 2.90	50
269 - 583	... 175	... 5.10	65
584 - 933	... 280	... 7.5	80
934 - 1866	... 560	... 13.0	100
1867-			125

DISTRIBUTION PIPES

WARM WATER AND COLD WATER PIPES
COPPER DIN1754 AND SFS 2250
KMY STAND MST-238.101

DN	MAT.	N°
10	Cu 10 *	1.5 23811
15	Cu 15 *	1.5 238148
20	Cu 22 *	1.5 238120
25	Cu 28 *	1.5 238158
32	Cu 35 *	1.5 238154
40	Cu 42 *	1.5 238155
50	Cu 57 *	2.0 238110
65	Cu 76.1 *	2.0 238105
80	Cu 88.9 *	2.5 238106
100	Cu 108 *	2.5 238104
125	Cu 133 *	3.0 238123
150	Cu 159 *	3.0 238131

BASED ON G.A. REVISION H

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Suun. Design. ACO/EP	Deasto Dpt. 250	Tark. Insp. JTK	Hyv. Appr.	Lisäy. pir. App. to drw		Kok.massa Tot.mass			
Pvm Date 11-09-98	Puh. Tel. 2422	Pvm Date	Puh. Tel.	Nimitys Name					
Kvaerner Masa-Yards Helsinki New Shipyard			FW DISTRIBUTION <i>BINDER # 19</i> PIPING DIAGRAM DOUBLE BOTTOM - DECK C						
Korvaa Replaces	Suhde Scale 1:200	Piir.no Drw.No. D.499.5120.251.002	Vers.Ind.	Lehti Page 1 (6)					

TÄYTTÖ- JA IMUPUTKISTO

FILLING AND SUCTION PIPESCOLD WATER PIPES
KYLMAVESIPUTKETKUUMASINK. TERÄSTÄ DIN2448 ST35
HOT DIP GALVANIZED

				MAT. NO
NS 10	CU 10 * 1.5			23811
NS 15	CU 15 * 1.5			238148
NS 20	ST 26.9 * 3.2	KUSINK	HOT ZINGED	183382
NS 25	ST 33.7 * 3.6	-	-	183384
NS 32	ST 42.4 * 4.5	-	-	183907
NS 40	ST 48.3 * 4.5	-	-	183387
NS 50	ST 60.3 * 4.5	-	-	183389
NS 65	ST 76.1 * 4.5	-	-	183358
NS 80	ST 88.9 * 4.5	-	-	183331
NS 100	ST 114.3 * 4.5	-	-	183403
NS 125	ST 139.7 * 4.5	-	-	183392
NS 150	ST 168.3 * 5.0	-	-	183109
NS 200	ST 219.1 * 6.3	-	-	183154
NS 250	ST 273.0 * 6.3	-	-	183155
NS 300	ST 323.9 * 7.1	-	-	183118

JAKELUPUTKISTO

DISTRIBUTION PIPESWARM WATER PIPES AND COLD WATER PIPES
LÄMMINVESIPUTKET JA KYLMÄVESIPUTKETKUPARIA DIN1754 JA SF52250
COPPER

				MAT. NO
NS 10	CU 10 * 1.5			23811
NS 15	CU 15 * 1.5			238148
NS 20	CU 22 * 1.5			238120
NS 25	CU 28 * 1.5			238158
NS 32	CU 35 * 1.5			238154
NS 40	CU 42 * 1.5			238155
NS 50	CU 57 * 2.0			238110
NS 65	CU 76.1 * 2.0			238105
NS 80	CU 88.9 * 2.5			238106
NS 100	CU 108 * 2.5			238104
NS 125	CU 133 * 3			238123
NS 150	CU 159 * 3			238131

STEEL PIPES ARE CONNECTED \leq DN25 SCREWED JOINTS, \geq DN32 WITH FLANGES
COPPER PIPES ARE CONNECTED DN10-100 NORMALLY WITH SOLDERED JOINTS OR
 \leq DN32 "KUTERLITE"-PRESS CONNECTIONS OR LARGE ONES WITH FLANGE
COLLAR CONNECTIONS

TERÄSPUTKET LIITET
KUPARIPUTKET LIITE
 \leq NS32 "KUTERLITE"

FRESH WATER PIPES TO BE PRESSURED WITH 12.0 BAR ,
FILLING PIPES FOR FW TANKS TO BE PRESSURED WITH 12.0 BAR
SUCTION PIPES FOR FW TANKS TO BE PRESSURED WITH 3.0 BAR

MAKEAVESIPUTKISTO
TANKKIEN TÄYTTÖPUT
TANKKIEN IMUPUTKET

WARM WATER MAIN LINES ARE INSULATED ACCORDING
KMY:5 STANDARD 03.60.03H POINT 4.2.3

LÄMMINVESIPUTKET E
KOHTA 4.2.3 MUKAAN

INSULATION SEE DRW. D.499.5000.250.004
PIPE CLASS 3

ERISTYS KATSO PIIR
PUTKILUOKKA 3

E296
STEEL

ON

00

51

51

5S/P

 ≥ 500 M³/H

5S/P

