

Vedlegg C Mengde- og miljødata - RIVr-modell

C.1 Sammenstilt mengde- og miljødata

C.2 Mengdedata for EPD-er fra One Click LCA

C.3 Mengdedata for andre EPD-er

C.4 Mengdedata for materialer med utslippsfaktorer

C.1 Sammenstilt mengde- og miljødata

| Fargekoding |
|--------------------------------------|
| EPD-er fra One Click LCA |
| EPD-er fra andre kilder |
| Materialer med egne utslippsfaktorer |

| GWP i henhold til NS 3451 | | | | | |
|---------------------------|-----|---|----------|-------|------------|
| Systemkode | | Navn | Mengde | Enhet | GWP |
| 3 | | VVS-installasjoner | | | 274 832,56 |
| | 31 | Sanitær | | | 37 226,93 |
| | 312 | Ledningsnett for sanitære installasjoner | | | 21 053,53 |
| | | Plastic pipes and fittings for hot and cold system, 6.912 kg/unit (Nupi) | 11,71 | kg | 29,15 |
| | | Blank copper domestic installation piping (KME) | 1 546,65 | kg | 3 046,90 |
| | | Cast iron drainage pipes and fittings for wastewater and rainwater, 5.82 kg/m, diameter: 100 mm, AGILIUM (SAINT-GOBAIN PAM - BÂTIMENT) | 7,00 | kg | 10,78 |
| | | PE pipes for transportation of water, waste water or other liquid and as a cable protection pipe, 200-2500 mm, 10 MPa, PE 100 (Pipelife Norge AS) | 152,28 | kg | 293,90 |
| | | PEX pipes for tap water systems, Aqua Pipe (Uponor corporation) | 67,54 | kg | 203,97 |
| | | Polypropylene sewer pipe | 1 229,45 | kg | 3 220,96 |
| | | PVC fittings, covers and jacketing, ZESTON® 2000 SERIES, ZESTON® 300 SERIES, ZESTON® PVC JACKETING (Johns Manville) | 4 166,55 | kg | 13 726,70 |
| | | PVC sewer piping, 1.35 kg/m, WAVIN (Tigris) ; SOTRA SEPEREF (Sotralys) ; REHAU (Awadukt , Rausikko) ; NICOLL ; GIRPI. (SYNDICAT DES TUBES ET RACCORDS EN PVC) | 216,33 | kg | 439,07 |
| | | Altech press fittings Copper M/V profile, Saint-Gobain Building Distribution (SGDS) | 8,90 | kg | 23,14 |
| | | Polypropylen (PP) | 19,80 | kg | 54,81 |
| | | Rustfritt stål (RS) | 0,90 | kg | 4,15 |
| | 314 | Armaturer for sanitære installasjoner | | | 1 556,94 |
| | | Anti polution non-return check valve, 1.6kg, DONNEE PAR DEFAULT (DED) | 7,20 | kg | 59,67 |
| | | Balancing brass valve, 2.3 kg/unit, DONNEE PAR DEFAULT (DED) | 15,78 | kg | 143,09 |
| | | Brass quarter-turn valve, 6 kg/unit, diameter: 20-100 mm, DONNEE PAR DEFAULT (DED) | 11,72 | kg | 112,37 |
| | | Brass valves, except motorized valves (Cav. Uff. Giacomo Cimperio S.p.A. (2021)) | 6,90 | kg | 49,47 |
| | | Butterfly valve, air, surface libre = 2 à 12.5dm2, DONNEE PAR DEFAULT (DED) | 51,87 | kg | 504,20 |
| | | Composite water meter, 0.867 kg/unit, DONNEE PAR DEFAULT (DED) | 21,30 | kg | 145,49 |
| | | Motorized 2 or 3 way valve, 4.363 kg/unit, diameter: 25 mm, DONNEE PAR DEFAULT (DED) | 61,31 | kg | 497,36 |
| | | Sedimentation tank for sludge, 2.4 kg/unit, DONNEE PAR DEFAULT (MINISTERE DE L'ENVIRONNEMENT, DE L'ENERGIE ET DE LA MER - MINISTERE DU LOGEMENT ET DE L'HABITAT DURABLE) | 2,11 | kg | 18,22 |
| | | Messing (Me) | 4,80 | kg | 27,07 |
| | 315 | Utstyr for sanitære installasjoner | | | 4 433,05 |
| | | Sump pump, 15.6 kg/unit, 25 m3/h, DONNEE PAR DEFAULT (DED) | 14,20 | kg | 151,53 |
| | | Single and three phase distribution boards, 14.7 kg/unit, Acti9 Isobar P Distribution Board -SEA9BPN12 (Schneider Electric) | 244,28 | kg | 1 091,78 |
| | | Stainless steel sink, 5.57 kg/unit, DONNEE PAR DEFAULT (DED) | 8,80 | kg | 83,31 |
| | | Rustfritt stål (RS) | 673,70 | kg | 3 106,43 |
| | 316 | Isolasjon av sanitære installasjoner | | | 10 183,42 |
| | | Pipe insulation, elastomeric rubber foam, 6 - 50 mm, 48.35 kg/m³, Glavaflex (Glava) | 36,63 | m3 | 10 183,42 |
| 32 | | Varme | | | 102 194,35 |
| | 322 | Ledningsnett for varmeinstallasjoner | | | 20 205,80 |
| | | Hollow structural steel sections, mechanical tubes and sprinkler pipes, 7850 kg/m3 (Bull Moose Tube, Georgia plant) | 9 345,52 | kg | 16 541,57 |
| | | Metal pipe fittings, MULTI/JOINT 3000 Plus (Georg Fischer Waga) | 23,75 | kg | 54,39 |
| | | Altech press fittings Copper M/V profile, Saint-Gobain Building Distribution (SGDS) | 1 388,40 | kg | 3 609,84 |
| | 324 | Armaturer for varmeinstallasjoner | | | 18 786,73 |
| | | Air/water heat pump, 90 kg/unit, 5 kW, ALFEA EXTENSA A.I.5 R32 - 526331 ALFEA EXTENSA A.I.6 R32 - 526332 ALFEA EXTENSA A.I.8 R32 - 526333 ALFEA EXTENSA A.I.10 R32 - 526334 (Groupe Atlantic) | 478,40 | kg | 4 223,45 |
| | | Balancing brass valve, 2.3 kg/unit, DONNEE PAR DEFAULT (DED) | 30,80 | kg | 279,28 |
| | | Brass valves, except motorized valves (Cav. Uff. Giacomo Cimperio S.p.A. (2021)) | 51,10 | kg | 366,39 |
| | | Butterfly valve, air, surface libre = 2 à 12.5dm2, DONNEE PAR DEFAULT (DED) | 46,80 | kg | 454,92 |
| | | Motorized 2 or 3 way valve, 4.363 kg/unit, diameter: 25 mm, DONNEE PAR DEFAULT (DED) | 307,00 | stk | 10 865,40 |
| | | Thermostatic radiator valve (MDEGD) | 595,00 | stk | 1 840,75 |
| | | Water pressure regulator, 1.964 kg/unit, DONNEE PAR DEFAULT (MINISTERE DE L'ENVIRONNEMENT, DE L'ENERGIE ET DE LA MER - MINISTERE DU LOGEMENT ET DE L'HABITAT DURABLE) | 19,20 | kg | 165,56 |
| | | Water pressure regulator, 4.8 kg/unit, DONNEE PAR DEFAULT (MINISTERE DE L'ENVIRONNEMENT, DE L'ENERGIE ET DE LA MER - MINISTERE DU LOGEMENT ET DE L'HABITAT DURABLE) | 7,80 | kg | 66,19 |
| | | Rustfritt stål (RS) | 44,60 | kg | 205,65 |
| | | Støpejern (SJ) | 40,18 | kg | 73,73 |

| | | | | | |
|----|-----|---|----------|-----|------------|
| | | Messing (Me) | 43,52 | kg | 245,41 |
| | 325 | Utstyr for varmeinstallasjoner | | | 62 917,43 |
| | | Compact electrical radiator, 6.16 kg/unit, Radiateur AGILIA PI - 503110 (Groupe Atlantic) | 386,70 | kg | 2 530,00 |
| | | Circulator pump, for liquids in HVAC systems, Group 1: flow rate 6.1 m3/h, head max. 4 m, power input avg. 0.0238 kW, Magna3 (Grundfos) | 133,72 | kg | 1 070,18 |
| | | Circulator pump, for liquids in HVAC systems, Group 2: flow rate 7.5 m3/h, head max. 6 m, power input avg. 0.0363 kW, Magna3 (Grundfos) | 17,50 | kg | 140,05 |
| | | Electrical hot air curtain, 61 kg/unit, 8.2 kW, DONNEE PAR DEFAULT (DED) | 304,90 | kg | 9 708,57 |
| | | Electrical radiator, 21.1 kg/unit, 1.5 kW, INGENIO V 1500 W - 429351 INGENIO V 2000 W - 429371 (Groupe Atlantic) | 356,40 | kg | 10 652,09 |
| | | Expansion tank/vessel, V = 200L, DONNEE PAR DEFAULT (DED) | 95,25 | kg | 500,03 |
| | | Hot water radiator, horizontal panel, for wall mounting, 1.019 kW, 26.77kg, ARTIS décor face plane 22 IHCP 700x600 - 7640967 ARTIS décor face plane : 11IHCP, 21IHCP, 22IHCP (De Dietrich) | 2 582,25 | kg | 8 240,72 |
| | | Single and three phase distribution boards, 14.7 kg/unit, Acti9 Isobar P Distribution Board -SEA9BPN12 (Schneider Electric) | 20,00 | kg | 89,39 |
| | | | 14 | | |
| | | Panel radiator type 22 size – h500 mm x L700 mm, Lyngson SIA | 348,00 | kg | 29 986,40 |
| | 326 | Isolasjon av varmeinstallasjoner | | | 284,39 |
| | | Pipe insulation, elastomeric rubber foam, 6 - 50 mm, 48.35 kg/m ³ , Glavaflex (Glava) | 1,02 | m3 | 284,39 |
| 33 | | Brannslukking | | | 14 399,33 |
| | 332 | Installasjoner for brannslukking med sprinkler | | | 1 516,99 |
| | | Cast iron drainage pipes and fittings for wastewater and rainwater, 5.82 kg/m, diameter: 100 mm, AGILIUM (SAINT-GOBAIN PAM - BÂTIMENT) | 490,00 | kg | 754,89 |
| | | Hollow structural steel sections, mechanical tubes and sprinkler pipes, 7850 kg/m3 (Bull Moose Tube, Georgia plant) | 311,54 | kg | 551,43 |
| | | Metal pipe fittings, MULTI/JOINT 3000 Plus (Georg Fischer Waga) | 9,52 | kg | 21,80 |
| | | Annealed process pipes produced in Pietarsaari, OSTP Holding Oy | 47,10 | kg | 188,87 |
| | 334 | Installasjon for brannslukking med pulver | | | 1 294,03 |
| | | Butterfly valve, air, surface libre = 2 à 12.5dm2, DONNEE PAR DEFAULT (DED) | 104,80 | kg | 1 018,71 |
| | | Controllable reduced pressure zone backflow preventer, DN 25mm, 2.4kg, DONNEE PAR DEFAULT (DED) | 28,00 | kg | 237,52 |
| | | Støpejern (SJ) | 20,60 | kg | 37,80 |
| | 335 | Installasjon for brannslukking med gass | | | 11 588,31 |
| | | Electrical equipment box/cabinet CE, 1200 x 800 x 250mm,, QUADRO CE 1200X 800 X 250 C/ FLANGE (901131) (LEGRAND) | 2 921,82 | kg | 11 578,48 |
| | | Fire sprinkler, 0.072 kg/unit, DONNEE PAR DEFAULT (DED) | 31,00 | stk | 9,83 |
| 37 | | Komfortkjøling | | | 121 011,94 |
| | 372 | Ledningsnett for komfortkjøling | | | 100 343,51 |
| | | Hollow structural steel sections, mechanical tubes and sprinkler pipes, 7850 kg/m3 (Bull Moose Tube, Georgia plant) | 78,50 | kg | 138,94 |
| | | Metal pipe fittings, MULTI/JOINT 3000 Plus (Georg Fischer Waga) | 1 436,55 | kg | 3 289,70 |
| | | PEX pipes for tap water systems, Aqua Pipe (Uponor corporation) | 309,69 | kg | 935,26 |
| | | | 22 | | |
| | | Stainless steel drinking water pipe | 604,32 | kg | 80 453,83 |
| | | Altech press fittings Copper M/V profile, Saint-Gobain Building Distribution (SGDS) | 5 963,00 | kg | 15 503,80 |
| | | Welded steel tubes, Ferrometall AS | 7,85 | kg | 21,98 |
| | 374 | Armaturer for komfortkjøling | | | 16 358,50 |
| | | Air/water heat pump, 90 kg/unit, 5 kW, ALFEA EXTENSA A.I.5 R32 - 526331 ALFEA EXTENSA A.I.6 R32 - 526332 ALFEA EXTENSA A.I.8 R32 - 526333 ALFEA EXTENSA A.I.10 R32 - 526334 (Groupe Atlantic) | 244,20 | kg | 2 155,86 |
| | | Balancing brass valve, 2.3 kg/unit, DONNEE PAR DEFAULT (DED) | 75,72 | kg | 686,59 |
| | | Brass valves, except motorized valves (Cav. Uff. Giacomo Cimberio S.p.A. (2021)) | 466,70 | kg | 3 346,24 |
| | | Butterfly valve, air, surface libre = 2 à 12.5dm2, DONNEE PAR DEFAULT (DED) | 393,44 | kg | 3 824,45 |
| | | Composite water meter, 0.867 kg/unit, DONNEE PAR DEFAULT (DED) | 4,90 | kg | 33,47 |
| | | Controllable reduced pressure zone backflow preventer, DN 25mm, 2.4kg, DONNEE PAR DEFAULT (DED) | 203,50 | kg | 1 726,28 |
| | | Motorized 2 or 3 way valve, 4.363 kg/unit, diameter: 25 mm, DONNEE PAR DEFAULT (DED) | 99,00 | stk | 3 503,82 |
| | | Motorized 2 or 3 way valve, 4.363 kg/unit, diameter: 25 mm, DONNEE PAR DEFAULT (DED) | 59,20 | kg | 480,26 |
| | | Water pressure regulator, 4.8 kg/unit, DONNEE PAR DEFAULT (MINISTERE DE L'ENVIRONNEMENT, DE L'ENERGIE ET DE LA MER - MINISTERE DU LOGEMENT ET DE L'HABITAT DURABLE) | 24,50 | kg | 207,91 |
| | | Rustfritt stål (RS) | 48,50 | kg | 4,61 |
| | | Støpejern (SJ) | 185,47 | kg | 340,33 |
| | | Messing (Me) | 8,63 | kg | 48,68 |
| | 375 | Utstyr for komfortkjøling | | | 4 279,63 |
| | | Brass valves, except motorized valves (Cav. Uff. Giacomo Cimberio S.p.A. (2021)) | 108,87 | kg | 780,60 |
| | | Expansion tank/vessel, V = 200L, DONNEE PAR DEFAULT (DED) | 82,15 | kg | 431,26 |
| | | Expansion tank/vessel, V=25L, DONNEE PAR DEFAULT (DED) | 32,00 | kg | 154,03 |
| | | Hot water buffer tank, 567 kg/unit, V=3000 L, DONNEE PAR DEFAULT (DED) | 1,00 | stk | 2 913,74 |
| | 376 | Isolasjon av installasjon for komfortkjøling | | | 30,30 |
| | 376 | Pipe insulation, elastomeric rubber foam, 6 - 50 mm, 48.35 kg/m ³ , Glavaflex (Glava) | 0,11 | m3 | 30,30 |

C.2 Mengdedata for EPD-er fra One Click LCA

| EPD-er fra OneClickLCA (RIVr-modell) | | | | | | |
|--|---------------------------|-------------------------------|---|-----------|-----------------|--------------|
| Electrical hot air curtain, 61 kg/unit, 8.2 kW, DONNEE PAR DEFAULT (DED) | | | | | | |
| Element | | | | Antall | Vekt | Volum |
| NS 435 1 | Komponent | Navn | Beskrivelse | stk | kg | m3 |
| 325 | Coil | ELiS B-W-100 2R | Air curtain with water heating, recommended installation height 2.5m, FC control system | 2 | 33,70 | |
| 325 | Coil | ELiS B-W-200 2R | Air curtain with water heating, recommended installation height 2.5m, FC control system | 2 | 53,20 | |
| 325 | Coil | ELiS B-W-150 2R | Air curtain with water heating, recommended installation height 2.5m, FC control system | 3 | 43,70 | |
| | | | | | 304,9 | |
| Pipe insulation, elastomeric rubber foam, 6 - 50 mm, 48.35 kg/m ³ , Glavaflex (Glava) | | | | | | |
| 316 | Covering | BI001T | BI001T - Kondensisasjon Serie 9 7.5-9.5 mm | 24 | | 0,00 |
| 316 | Covering | BI001T | BI001T - Kondensisasjon Serie 9 7.5-9.5 mm | 58 | | 0,04 |
| 316 | Covering | BI002T | BI002T - Kondensisasjon Serie13 9.5-16.0 mm | 9 536 | | 13,93 |
| 316 | Covering | BI013T | BI013T - Rørskål m/Al.folie, isol.kl. 4, 60°C | 2 226 | | 11,97 |
| 316 | Covering | BI001T | BI001T - Kondensisasjon Serie 9 7.5-9.5 mm | 27 | | 0,00 |
| 316 | Covering | BI002T | BI002T - Kondensisasjon Serie13 9.5-16.0 mm | 3 936 | | 5,30 |
| 316 | Covering | BI013T | BI013T - Rørskål m/Al.folie, isol.kl. 4, 60°C | 1 605 | | 5,36 |
| 316 | Covering | BI013T | BI013T - Rørskål m/Al.folie, isol.kl. 4, 60°C | 253 | | 0,02 |
| 316 | Covering | BI013T | BI013T - Rørskål m/Al.folie, isol.kl. 4, 60°C | 3 | | 0,01 |
| | | | | | | 36,63 |
| 326 | Covering | BI014T | BI014T - Rørskål m/Al.folie, isol.kl. 4, 45°C | 4 | | 0,00 |
| 326 | Covering | BI014T | BI014T - Rørskål m/Al.folie, isol.kl. 4, 45°C | 249 | | 0,61 |
| 326 | Covering | BI016T | BI016T - Rørskål m/Al.folie, isol.kl. 3, 35°C | 49 | | 0,14 |
| 326 | Covering | BI014T | BI014T - Rørskål m/Al.folie, isol.kl. 4, 45°C | 215 | | 0,05 |
| 326 | Covering | BI016T | BI016T - Rørskål m/Al.folie, isol.kl. 3, 35°C | 54 | | 0,18 |
| 326 | Covering | BI014T | BI014T - Rørskål m/Al.folie, isol.kl. 4, 45°C | 12 | | 0,03 |
| 326 | Covering | BI013T | BI013T - Rørskål m/Al.folie, isol.kl. 4, 60°C | 2 | | 0,00 |
| 326 | Covering | BI014T | BI014T - Rørskål m/Al.folie, isol.kl. 4, 45°C | 2 | | 0,00 |
| 326 | Covering | BI016T | BI016T - Rørskål m/Al.folie, isol.kl. 3, 35°C | 2 | | 0,01 |
| | | | | | | 1,02 |
| 376 | Covering | BI002T | BI002T - Kondensisasjon Serie13 9.5-16.0 mm | 4 | | 0,01 |
| 376 | Covering | BI002T | BI002T - Kondensisasjon Serie13 9.5-16.0 mm | 601 | | 0,10 |
| | | | | | | 0,11 |
| Sedimentation tank for sludge, 2.4 kg/unit, DONNEE PAR DEFAULT (MINISTERE DE L'ENVIRONNEMENT, DE L'ENERGIE ET DE LA MER - MINISTERE DU LOGEMENT ET DE L'HABITAT DURABLE) | | | | | | |
| 314 | Filter | Filter | 43250-000350 DN50 | Filter | 1 | 2,11 |
| | | | | | | 2,11 |
| Fire sprinkler, 0.072 kg/unit, DONNEE PAR DEFAULT (DED) | | | | | | |
| 335 | Fire Suppression Terminal | SP-15-K80-68DGR-STD | NEDADRETTET ÅPEN MONTASJE K80 | 25 | 0,074 | |
| 335 | Fire Suppression Terminal | SU-15-K80-68DGR-STD | OPPADRETTET K80 | 6 | 0,074 | |
| | | | | 31 | | |
| Composite water meter, 0.867 kg/unit, DONNEE PAR DEFAULT (DED) | | | | | | |
| 314 | Flow Meter | GLO_REMOTE-WATER-METER-2-DN25 | Remote direct reading type water meter | 2 | 2,4 | |
| 314 | Flow Meter | GLO_REMOTE-WATER-METER-2-DN50 | Remote direct reading type water meter | 3 | 5,5 | |
| | | | | | 21,3 | |
| 374 | Flow Meter | GLO_1WHEEL-WATER-METER-2-DN25 | Single vane wheel water meter | 1 | 2,4 | |
| 374 | Flow Meter | GLO_1WHEEL-WATER-METER-2-DN32 | Single vane wheel water meter | 1 | 2,5 | |
| | | | | | 4,9 | |
| Hot water buffer tank, 567 kg/unit, V=3000 L, DONNEE PAR DEFAULT (DED) | | | | | | |
| 375 | Object | Akkumuleringstank 1500L | Akkumuleringstank 1500L | 2 | 283,5 | |
| | | | | 1 | | |
| Electrical equipment box/cabinet CE, 1200 x 800 x 250mm,, QUADRO CE 1200X 800 X 250 C/ FLANGE (901131) (LEGRAND) | | | | | | |
| 335 | Object | Kassett EI60 | Kassett EI60 | 13 | 51,26 | |
| 335 | Sanitary Terminal | Type 4S / 110 19mm/30m-S | Fire hose cabinet type 4S/110 30m/19-S In wall mounting | 44 | 51,26 | |
| | | | | | 2 921,82 | |
| Polypropylene sewer pipe | | | | | | |
| 312 | Pipe | MA | Muffeløse Avløpsrør | 1 345 | 1 209,05 | |
| 312 | Pipe | PP avløpsrør | PP avløpsrør | 146 | 16,80 | |

| | | | | | | |
|---|--------------|---|---|--------|-----------|--|
| 312 | Pipe Fitting | Tee-EN1451-1-7_NOR | All Socket Tee EN 1451-1 | 1 | 2,70 | |
| 312 | Pipe Fitting | Reducer-EN1451-1-4_NOR | Single Socket Eccentric Reducer EN 1451-1 | 2 | 0,90 | |
| | | | | | 1 229,45 | |
| PVC sewer piping, 1.35 kg/m, WAVIN (Tigris) ; SOTRA SEPEREF (Sotralys) ; REHAU (Awadukt , Rausikko) ; NICOLL ; GIRPI. (SYNDICAT DES TUBES ET RACCORDS EN PVC) | | | | | | |
| 312 | Pipe | PVC grunnavløpsrør | PVC grunnavløpsrør | 92 | 216,33 | |
| | | | | | 216,33 | |
| Hollow structural steel sections, mechanical tubes and sprinkler pipes, 7850 kg/m3 (Bull Moose Tube, Georgia plant) | | | | | | |
| 322 | Pipe | Pressfittingssystem DN | Pressfittingssystem DN EN-10305 | 22 | 177,35 | |
| 322 | Pipe | Pressfittingssystem MM | Pressfittingssystem MM EN-10305 | 12 798 | 9 168,17 | |
| | | | | | 9 345,52 | |
| 332 | Pipe | Sprinkler Rillerør | Rillede rør for sprinkleranl. EN 10217-1 (gjenge for <= 25) | 67 | 251,20 | |
| 332 | Pipe | Gjengerør med sort adusert fittings | Gjengerør m/gj. og muffe, galvanisert, mellomserie EN 10255 | 85 | 60,34 | |
| | | | | | 311,54 | |
| 372 | Pipe Fitting | Mapress Bend | Mapress Carbon Steel Bend, connector in place | 9 | 78,50 | |
| | | | | | 78,50 | |
| Blank copper domestic installation piping (KME) | | | | | | |
| 312 | Pipe | Kobberrør | Kobberrør | 1 692 | 1 546,65 | |
| | | | | | 1 546,65 | |
| PE pipes for transportation of water, waste water or other liquid and as a cable protection pipe, 200-2500 mm, 10 MPa, PE 100 (Pipelife Norge AS) | | | | | | |
| 312 | Pipe | PE 100 trykkrør SDR 11 | PE 100 trykkrør SDR 11 | 36 | 152,28 | |
| | | | | | 152,28 | |
| PEX pipes for tap water systems, Aqua Pipe (Uponor corporation) | | | | | | |
| 312 | Pipe Fitting | magi_pipe_pex_elbow_NOR | MagiCAD - default bend | 1 022 | 67,54 | |
| | | | | | 67,54 | |
| 372 | Pipe | PEX rør | PEX rør som Revit stive rør | 1 594 | 301,25 | |
| 372 | Pipe Fitting | magi_pipe_pex_tee_centric_90_001 | MagiCAD - default T-branch | 12 | 8,44 | |
| | | | | | 309,69 | |
| Stainless steel drinking water pipe | | | | | | |
| 372 | Pipe | Rustfritt stål, systemrør | Rustfritt stål, systemrør | 691 | 8 131,52 | |
| 372 | Pipe Fitting | magip_welded_elbow_90_NOR | Welded Elbow 90-N112 | 369 | 11 139,00 | |
| 372 | Pipe Fitting | magip_welded_reducer_concentric_001 | Welded Reducer Concentric | 146 | 876,90 | |
| 372 | Pipe Fitting | magip_welded_tee_piece_pulled_001 | Welded T Pcs Pulled | 64 | 2 449,00 | |
| 372 | Pipe Fitting | magip_welded_end_cap_001 | End Cap | 4 | 7,90 | |
| | | | | | 22 604,32 | |
| PVC fittings, covers and jacketing, ZESTON® 2000 SERIES, ZESTON® 300 SERIES, ZESTON® PVC JACKETING (Johns Manville) | | | | | | |
| 312 | Pipe Fitting | Tee-EN1401-1-7_NOR | All Socket Tee EN 1401-1 DN 110-160 | 26 | 119,85 | |
| 312 | Pipe Fitting | magi_sewer_transition_NOR | Generic PVC Reducer | 46 | 56,40 | |
| 312 | Pipe Fitting | magi_sewer_tee_wye_NOR | Generic PVC Y Branch | 207 | 1 288,74 | |
| 312 | Pipe Fitting | magi_sewer_bend_NOR | Generic PVC Bend | 936 | 2 650,80 | |
| 312 | Pipe Fitting | magi_sewer_union_001 | MagiCAD - PVC Joint | 6 | 2,82 | |
| 312 | Pipe Fitting | Bend-EN1401-1-2_NOR | PVC bend | 24 | 46,53 | |
| 312 | Pipe Fitting | Dobbelmuffe-PVC | PVC dobbelmuffe | 1 | 1,10 | |
| | | | | | 4 166,24 | |
| Cast iron drainage pipes and fittings for wastewater and rainwater, 5.82 kg/m, diameter: 100 mm, AGILIUM (SAINT-GOBAIN PAM - BÂTIMENT) | | | | | | |
| 312 | Pipe Fitting | Blank-End-EN-877_DIN-19522_NOR | MA ters | 3 | 7 | |
| | | | | | 7 | |
| 332 | Pipe Fitting | Standard | Rillerør Bend | 34 | 462 | |
| 332 | Pipe Fitting | Standard | Rillerør Endestykke | 1 | 7 | |
| 332 | Pipe Fitting | Standard | Rillerør Reduksjon | 3 | 21 | |
| | | | | | 490,00 | |
| Metal pipe fittings, MULTI/JOINT 3000 Plus (Georg Fischer Waga) | | | | | | |
| 322 | Pipe Fitting | Standard | Socket Threaded MS | 5 | 15,90 | |
| 322 | Pipe Fitting | magi_pipe_fe_cross_centric_90_001 | MagiCAD - default X-branch | 2 | 7,85 | |
| | | | | | 23,75 | |
| 332 | Pipe Fitting | Standard | PREM T-rør | 25 | 1,67 | |
| 332 | Pipe Fitting | RS_53_PIF_UN_Elbow-EN10241_MC_gen | Bend-EN-10241 | 8 | 7,85 | |
| | | | | | 9,52 | |
| 372 | Pipe Fitting | magi_pipe_fe_tee_centric_90_NOR | MagiCAD - default T-branch | 29 | 1 428,70 | |
| 372 | Pipe Fitting | magi_pipe_fe_reducer_centric_short_NO R | MagiCAD - default reduction | 2 | 7,85 | |
| | | | | | 1 436,55 | |
| Plastic pipes and fittings for hot and cold system, 6.912 kg/unit (Nupi) | | | | | | |

| | | | | | | |
|---|-------------------|----------------------------|---|-----|-----------------|--|
| 312 | Pipe Fitting | Bend-EN1451-1-2_NOR | Double Socket Bend EN 1451-1 | 111 | 11,71 | |
| | | | | | 11,71 | |
| Circulator pump, for liquids in HVAC systems, Group 1: flow rate 6.1 m3/h, head max. 4 m, power input avg. 0.0238 kW, Magna3 (Grundfos) | | | | | | |
| 325 | Pump | MAGNA3 32-40 F | Energy efficient circulator | 14 | 7,63 | |
| 325 | Pump | MAGNA3 80-40 F PN6 | Energy efficient circulator | 1 | 26,90 | |
| | | | | | 133,72 | |
| Circulator pump, for liquids in HVAC systems, Group 2: flow rate 7.5 m3/h, head max. 6 m, power input avg. 0.0363 kW, Magna3 (Grundfos) | | | | | | |
| 325 | Pump | MAGNA3 50-60 F | Energy efficient circulator | 1 | 17,50 | |
| | | | | | 17,50 | |
| Air/water heat pump, 90 kg/unit, 5 kW, ALFEA EXTENSA A.I.5 R32 - 526331 ALFEA EXTENSA A.I.6 R32 - 526332 ALFEA EXTENSA A.I.8 R32 - 526333 ALFEA EXTENSA A.I.10 R32 - 526334 (Groupe Atlantic) | | | | | | |
| 324 | Pump | TPE 100-110/4-S/S2/P500 | Single-stage, centrifugal, inline, speed controlled | 4 | 103,00 | |
| 324 | Pump | TPE 100-30/4-S/1-V/S2/P500 | Single-stage, centrifugal, inline, speed controlled | 1 | 66,40 | |
| | | | | | 478,40 | |
| 374 | Pump | TPE 80-110/4-S | Single-stage, centrifugal, inline, speed controlled | 3 | 81,40 | |
| | | | | | 244,20 | |
| Single and three phase distribution boards, 14.7 kg/unit, Acti9 Isobar P Distribution Board -SEA9BPN12 (Schneider Electric) | | | | | | |
| 315 | Sanitary Terminal | Fordelerskap_350 | Fordelerskap_12 kurser | 8 | 5,20 | |
| 315 | Sanitary Terminal | Fordelerskap_750 | Fordelerskap_12 kurser | 9 | 12,70 | |
| 315 | Sanitary Terminal | Fordelerskap_550 | Fordelerskap_8 kurser | 9 | 9,82 | |
| | | | | | 244,28 | |
| 325 | Sanitary Terminal | Gulvvarmeskap | Fordelerskap_8 kurser | 1 | 20,00 | |
| | | | | | 20,00 | |
| Sump pump, 15.6 kg/unit, 25 m3/h, DONNEE PAR DEFAULT (DED) | | | | | | |
| 315 | Sanitary Terminal | Pumpekum B40 | | 1 | 14,20 | |
| | | | | | 14,20 | |
| Compact electrical radiator, 6.16 kg/unit, Radiateur AGILIA PI - 503110 (Groupe Atlantic) | | | | | | |
| 325 | Space Heater | EPB 300-168-1000_15-1 | Convactor Built In, -L | 10 | 6,10 | |
| 325 | Space Heater | EPB 300-168-1100_15 | Convactor Built In, -L | 36 | 6,10 | |
| 325 | Space Heater | EPB 300-168-1200_15-1 | Convactor Built In, -L | 12 | 7,30 | |
| 325 | Space Heater | EPB 300-168-600_15-1 | Convactor Built In, -L | 5 | 3,70 | |
| | | | | | 386,70 | |
| Electrical radiator, 21.1 kg/unit, 1.5 kW, INGENIO V 1500 W - 429351 INGENIO V 2000 W - 429371 (Groupe Atlantic) | | | | | | |
| 325 | Space Heater | EPB 300-168-1600_15-1 | Convactor Built In, -L | 7 | 9,80 | |
| 325 | Space Heater | EPB 400-168-1200_15-1 | Convactor Built In, -L | 11 | 8,60 | |
| 325 | Space Heater | EPB 400-168-1800_15-1 | Convactor Built In, -L | 2 | 13,00 | |
| 325 | Space Heater | EPB 600-218-1200_15 | Convactor Built In, -R | 5 | 12,80 | |
| 325 | Space Heater | EPB 700-218-1600_15-1 | Convactor Built In, -R | 5 | 18,90 | |
| 325 | Space Heater | EPB 700-218-800_15-1 | Convactor Built In, -R | 1 | 8,70 | |
| | | | | | 356,40 | |
| Hot water radiator, horizontal panel, for wall mounting, 1.019 kW, 26.77kg, ARTIS décor face plane 22 IHCP 700x600 - 7640967 ARTIS décor face plane : 11IHCP, 21IHCP, 22IHCP (De Dietrich) | | | | | | |
| 325 | Space Heater | LK-43 210 x 1700_15-1 | Lisa Convactor | 4 | 53,21 | |
| 325 | Space Heater | LK-43 210 x 2000_15-1 | Lisa Convactor | 16 | 62,60 | |
| 325 | Space Heater | LK-43 210 x 3200_15 | Lisa Convactor | 1 | 100,16 | |
| 325 | Space Heater | LK-43 210 x 3400_15-1 | Lisa Convactor | 4 | 106,42 | |
| 325 | Space Heater | LK-43 210 x 900_15-1 | Lisa Convactor | 3 | 28,17 | |
| 325 | Space Heater | LK-54 210 x 1900_15-1 | Lisa Convactor | 2 | 59,47 | |
| 325 | Space Heater | LK-54 210 x 2200_15-1 | Lisa Convactor | 4 | 68,86 | |
| 325 | Space Heater | LK-54 210 x 2600_15-1 | Lisa Convactor | 2 | 81,38 | |
| 325 | Space Heater | LK-54 210 x 3200_15-1 | Lisa Convactor | 2 | 100,16 | |
| | | | | | 2 582,25 | |
| Expansion tank/vessel, V=25L, DONNEE PAR DEFAULT (DED) | | | | | | |
| 375 | Tank | Statico SD 80.10 | Expansion vessel | 2 | 16,00 | |
| | | | | | 32,00 | |
| Expansion tank/vessel, V = 200L, DONNEE PAR DEFAULT (DED) | | | | | | |
| 325 | Tank | TU 500 | Primary vessel | 1 | 95,25 | |
| | | | | | 95,25 | |
| 375 | Tank | Statico SU 140.3 | Expansion vessel | 1 | 25 | |
| 375 | Tank | TU 300 | Primary vessel | 1 | 57,15 | |
| | | | | | 82,15 | |
| Brass quarter-turn valve, 6 kg/unit, diameter: 20-100 mm, DONNEE PAR DEFAULT (DED) | | | | | | |
| 314 | Valve | 4551075 | T-drilled three way ball valve. | 2 | 5,86 | |

| | | | | | | |
|---|-------|--------------------------------|--|-------|--------|--|
| | | | | | 11,72 | |
| Thermostatic radiator valve (MDEGD) | | | | | | |
| 324 | Valve | Calypso TRV-3-15+EMO-T NO | Thermostatic radiator valve with actuator | 595 | | |
| | | | | 595 | | |
| Motorized 2 or 3 way valve, 4.363 kg/unit, diameter: 25 mm, DONNEE PAR DEFAULT (DED) | | | | | | |
| 324 | Valve | Valve-with-motor-round-3w-DN32 | 3-way Valve with motor, round body | 2 | | |
| 324 | Valve | Valve-with-motor-round-DN32 | 2-veis motorventil, modulerende | 9 | | |
| 324 | Valve | Valve-with-motor-round-DN40 | 2-veis motorventil, modulerende | 4 | | |
| 324 | Valve | Valve-with-motor-round-DN80 | 2-veis motorventil, modulerende | 3 | | |
| 324 | Valve | Valve-with-motor-round-3w-DN65 | 3-way Valve with motor, round body | 1 | | |
| 324 | Valve | Valve-with-motor-round-DN100 | 2-veis motorventil, modulerende | 1 | | |
| | | | | 307 | | |
| 374 | Valve | Valve-with-motor-round-DN15 | 2-veis motorventil, modulerende | 287 | | |
| 374 | Valve | Valve-with-motor-round-DN20 | 2-veis motorventil, modulerende | 67 | | |
| 374 | Valve | Valve-with-motor-round-DN25 | 2-veis motorventil, modulerende | 22 | | |
| 374 | Valve | Valve-with-motor-round-DN50 | 2-veis motorventil, modulerende | 4 | | |
| 374 | Valve | Valve-with-motor-round-DN65 | 2-veis motorventil, modulerende | 6 | | |
| | | | | 99 | | |
| Motorized 2 or 3 way valve, 4.363 kg/unit, diameter: 25 mm, DONNEE PAR DEFAULT (DED) | | | | | | |
| 314 | Valve | AMZ112-15-17 082G5406 | ON/OFF zone valves | 67 | 0,83 | |
| 314 | Valve | AMZ112-20-28 082G5407 | ON/OFF zone valves | 6 | 0,93 | |
| | | | | | 61,31 | |
| 374 | Valve | AMZ112-25-39 082G5408 | ON/OFF zone valves | 38 | 1,16 | |
| 374 | Valve | AMZ112-32-84 082G5409 | ON/OFF zone valves | 2 | 1,64 | |
| 374 | Valve | AMZ112-40-156 082G5410 | ON/OFF zone valves | 6 | 1,95 | |
| | | | | | 59,20 | |
| Anti polution non-return check valve, 1.6kg, DONNEE PAR DEFAULT (DED) | | | | | | |
| 314 | Valve | AT-1168B50 | Tilbakeslagsventil kat. 4 (vanninntak) | 1 | 7,2 | |
| | | | | | 7,2 | |
| Brass valves, except motorized valves (Cav. Uff. Giacomo Cimperio S.p.A. (2021)) | | | | | | |
| 314 | Valve | AT1159-15 | Tilbakeslagsventil | 1 | 0,10 | |
| 314 | Valve | AT1159-20 | Tilbakeslagsventil | 1 | 0,23 | |
| 314 | Valve | AT1159-25 | Tilbakeslagsventil | 3 | 0,34 | |
| 314 | Valve | D06F-15 | Pressure reducing valve | 1 | 0,70 | |
| 314 | Valve | D06F-20 | Pressure reducing valve | 1 | 0,85 | |
| 314 | Valve | D06F-50 | Pressure reducing valve | 1 | 4,00 | |
| | | | | | 6,9 | |
| 324 | Valve | AT1159-32 | Tilbakeslagsventil | 14 | 0,50 | |
| 324 | Valve | AT1159-50 | Tilbakeslagsventil | 1 | 0,95 | |
| 324 | Valve | AT1159-40 | Tilbakeslagsventil | 2 | 0,75 | |
| 324 | Valve | AT3600-32 | Stengeventil | 27 | 0,81 | |
| 324 | Valve | AT3600-40 | Stengeventil | 13 | 1,20 | |
| 324 | Valve | AT3600-15 | Kuleventil lufting | 19 | 0,22 | |
| | | | | | 51,1 | |
| 374 | Valve | AT3600-15 | Stengeventil | 1 076 | 0,22 | |
| 374 | Valve | AT3600-20 | Stengeventil | 148 | 0,31 | |
| 374 | Valve | AT3600-25 | Stengeventil | 56 | 0,53 | |
| 374 | Valve | AT3600-50 | Stengeventil | 8 | 1,80 | |
| 374 | Valve | AT3600-65 | Stengeventil | 21 | 3,65 | |
| 374 | Valve | AT3601-15 | Kuleventil lang hals (kjøling) | 193 | 0,29 | |
| 374 | Valve | AT3600-80 | Stengeventil | 1 | 5,06 | |
| 374 | Valve | AT3601-20 | Kuleventil lang hals (kjøling) | 6 | 0,39 | |
| | | | | | 466,70 | |
| 375 | Valve | AT3600-20 | Kuleventil lufting | 20 | 0,31 | |
| 375 | Valve | AT3600-25 | Kuleventil lufting | 19 | 0,53 | |
| 375 | Valve | AT3600-40 | Kuleventil lufting | 8 | 1,20 | |
| 375 | Valve | AT3600-65 | Kuleventil lufting | 4 | 3,65 | |
| 375 | Valve | AT3600-50 | Kuleventil lufting | 38 | 1,80 | |
| | | | | | 108,87 | |
| Controllable reduced pressure zone backflow preventer, DN 25mm, 2.4kg, DONNEE PAR DEFAULT (DED) | | | | | | |
| 334 | Valve | BA 575-100 | Back flow preventer | 1 | 28,00 | |
| | | | | | 28,00 | |
| 374 | Valve | STAD/F*(Nordic)-100 | Presetting of flow, shut-off valve, flow measuring, pressure reading | 1 | 22,00 | |
| 374 | Valve | STAD/F*(Nordic)-125 | Presetting of flow, shut-off valve, flow measuring, pressure reading | 1 | 32,70 | |

| | | | | | | |
|---|----------------|--------------------|--|----|---------------|--|
| 374 | Valve | STAD/F*(Nordic)-65 | Presetting of flow, shut-off valve, flow measuring, pressure reading | 12 | 12,40 | |
| | | | | | 203,50 | |
| Butterfly valve, air, surface libre = 2 à 12.5dm2, DONNEE PAR DEFAULT (DED) | | | | | | |
| 314 | Valve | AT2310S50 | Spjeldventil | 13 | 3,99 | |
| | | | | | 51,87 | |
| 324 | Valve | AT2310S80 | Spjeldventil | 9 | 5,20 | |
| | | | | | 46,8 | |
| 334 | Valve | AT2310S100 | Spjeldventil | 16 | 6,55 | |
| | | | | | 104,8 | |
| 374 | Valve | AT2310S125 | Spjeldventil | 3 | 8,50 | |
| 374 | Valve | AT2310S150 | Spjeldventil | 5 | 11,04 | |
| 374 | Valve | AT2310S200 | Spjeldventil | 15 | 15,10 | |
| 374 | Valve | AT2310S65 | Spjeldventil | 2 | 4,94 | |
| 374 | Valve | AT2310S200 | Spjeldventil lufting | 4 | 15,10 | |
| 374 | Valve | AT2310S50 | Spjeldventil lufting | 4 | 3,99 | |
| | | | | | 393,44 | |
| Water pressure regulator, 1.964 kg/unit, DONNEE PAR DEFAULT (MINISTERE DE L'ENVIRONNEMENT, DE L'ENERGIE ET DE LA MER - MINISTERE DU LOGEMENT ET DE L'HABITAT DURABLE) | | | | | | |
| 324 | Valve | STAP-20 (5-25kPA) | Differential Pressure Controller | 16 | 1,2 | |
| | | | | | 19,2 | |
| Water pressure regulator, 4.8 kg/unit, DONNEE PAR DEFAULT (MINISTERE DE L'ENVIRONNEMENT, DE L'ENERGIE ET DE LA MER - MINISTERE DU LOGEMENT ET DE L'HABITAT DURABLE) | | | | | | |
| 324 | Valve | STAP-32 (20-80kPA) | Differential Pressure Controller | 3 | 2,6 | |
| | | | | | 7,8 | |
| 374 | Valve | STAP-50 (20-80kPA) | Differential Pressure Controller | 7 | 3,5 | |
| | | | | | 24,5 | |
| Balancing brass valve, 2.3 kg/unit, DONNEE PAR DEFAULT (DED) | | | | | | |
| 314 | Valve | TA-COMPACT-DP DN10 | Trykkuavhengig innreguleringsventil | 14 | 0,57 | |
| 314 | Valve | TA-COMPACT-DP DN15 | Trykkuavhengig innreguleringsventil | 13 | 0,60 | |
| | | | | | 15,78 | |
| 324 | Valve | STAD/F*(Nordic)-20 | Presetting of flow, shut-off valve, flow measuring, pressure reading | 33 | 0,64 | |
| 324 | Valve | STAD/F*(Nordic)-25 | Presetting of flow, shut-off valve, flow measuring, pressure reading | 5 | 0,77 | |
| 324 | Valve | STAF-10/09 | Innreguleringsventil | 11 | 0,53 | |
| | | | | | 30,8 | |
| 374 | Valve | STAD/F*(Nordic)-10 | Presetting of flow, shut-off valve, flow measuring, pressure reading | 24 | 0,53 | |
| 374 | Valve | STAD/F*(Nordic)-15 | Presetting of flow, shut-off valve, flow measuring, pressure reading | 25 | 0,56 | |
| 374 | Valve | STAD/F*(Nordic)-32 | Presetting of flow, shut-off valve, flow measuring, pressure reading | 8 | 1,10 | |
| 374 | Valve | STAD/F*(Nordic)-40 | Presetting of flow, shut-off valve, flow measuring, pressure reading | 3 | 1,50 | |
| 374 | Valve | STAD/F*(Nordic)-50 | Presetting of flow, shut-off valve, flow measuring, pressure reading | 17 | 2,10 | |
| | | | | | 75,72 | |
| Stainless steel sink, 5.57 kg/unit, DONNEE PAR DEFAULT (DED) | | | | | | |
| 315 | Waste Terminal | TIIRA | TIIRA Utility sink | 2 | 4,40 | |
| | | | | | 8,80 | |

C.3 Mengdedata for andre EPD-er

| Andre EPD-er | | | | | | | | | |
|---|--------------|---|-------|--------|-------|--------|-----------------|-------------|----------------|
| Altech press fittings Copper M/V profile, Saint-Gobain Building Distribution (SGDS) | | | | | | | | | |
| Element | | | Volum | Antall | Vekt | | | GWP | |
| NS 3451 | Komponent | Navn | m3 | stk | kg/m3 | kg/stk | kg | kg CO2-e/kg | kg CO2-e |
| 312 | Pipe Fitting | magi_pipe_cu_reducer_centric_short_NOR | 0,001 | | 8900 | | 8,90 | 2,60 | 23,14 |
| | | | | | | | 8,90 | | 23,14 |
| 322 | Pipe Fitting | magi_pipe_cu_elbow_short_NOR | 0,141 | | 8900 | | 1 254,90 | 2,60 | 3262,74 |
| 322 | Pipe Fitting | magi_pipe_cu_joint_001 | 0,001 | | 8900 | | 8,90 | 2,60 | 23,14 |
| 322 | Pipe Fitting | magi_pipe_cu_reducer_centric_short_001 | 0,014 | | 8900 | | 124,60 | 2,60 | 323,96 |
| | | | | | | | 1 388,40 | | 3609,84 |
| 372 | Pipe Fitting | magi_pipe_cu_tee_centric_90_NOR | 0,67 | | 8900 | | 5 963,00 | 2,60 | 15503,8 |
| | | | | | | | 5 963,00 | | 15503,8 |
| Annealed process pipes produced in Pietarsaari, OSTP Holding Oy | | | | | | | | | |
| 332 | Pipe Fitting | Sort adusert T-rør_ISO-EN_B1 | 0,001 | | 7850 | | 7,85 | 4,01 | 31,48 |
| 332 | Pipe Fitting | Sort adusert albu_ISO-EN_A1-G1 | 0,005 | | 7850 | | 39,25 | 4,01 | 157,39 |
| | | | | | | | 47,10 | | 188,87 |
| Welded steel tubes, Ferrometall AS | | | | | | | | | |
| 372 | Pipe Fitting | RS_53_PF_UN_T-branch-reducing-en-10253-2_gen_MC | | 0,001 | 7850 | | 7,85 | 2,80 | 21,98 |
| | | | | | | | 7,85 | | 21,98 |
| Panel radiator type 22 size – h500 mm x L700 mm, Lyngson SIA | | | | | | | | | |
| 325 | Space Heater | MCPI22-426_15-1 | 1 | | | 65,3 | 65,30 | 2,09 | 136,48 |
| 325 | Space Heater | MCPI22-611_15-1 | 4 | | | 42,8 | 171,20 | 2,09 | 357,81 |
| 325 | Space Heater | MCPI22-613_15 | 9 | | | 50,2 | 451,80 | 2,09 | 944,26 |
| 325 | Space Heater | MCPI33-530_15-1 | 1 | | | 129,9 | 129,90 | 2,09 | 271,49 |
| 325 | Space Heater | MCPI33-617_15 | 2 | | | 91,8 | 183,60 | 2,09 | 383,72 |
| 325 | Space Heater | MC22-611_15 | 1 | | | 42,8 | 42,80 | 2,09 | 89,45 |
| 325 | Space Heater | NOSTALGI 300-250-2800_15 | 4 | | | 86,24 | 344,96 | 2,09 | 720,97 |
| 325 | Space Heater | 11 PLAN KLASIK-040050_15 | 13 | | | 7,8 | 101,40 | 2,09 | 211,93 |
| 325 | Space Heater | 11 PLAN KLASIK-040090_15-1 | 16 | | | 13,9 | 222,40 | 2,09 | 464,82 |
| 325 | Space Heater | 11 PLAN KLASIK-040090_15-2 | 2 | | | 13,9 | 27,80 | 2,09 | 58,10 |
| 325 | Space Heater | 11 PLAN KLASIK-040180_15-1 | 1 | | | 25,9 | 25,90 | 2,09 | 54,13 |
| 325 | Space Heater | 22 PLAN KLASIK-040080_15-1 | 16 | | | 20,7 | 331,20 | 2,09 | 692,21 |
| 325 | Space Heater | 22 PLAN KLASIK-040090_15-1 | 4 | | | 23,1 | 92,40 | 2,09 | 193,12 |
| 325 | Space Heater | 22 PLAN KLASIK-040100_15-1 | 223 | | | 25,5 | 5 686,50 | 2,09 | 11 884,79 |
| 325 | Space Heater | 22 PLAN KLASIK-040110_15-1 | 16 | | | 27,9 | 446,40 | 2,09 | 932,98 |
| 325 | Space Heater | 22 PLAN KLASIK-040120_15 | 56 | | | 30,4 | 1 702,40 | 2,09 | 3 558,02 |
| 325 | Space Heater | 22 PLAN KLASIK-040160_15-1 | 18 | | | 40,4 | 727,20 | 2,09 | 1 519,85 |
| 325 | Space Heater | 22 PLAN KLASIK-040200_15-1 | 5 | | | 50,3 | 251,50 | 2,09 | 525,64 |
| 325 | Space Heater | 22 PLAN KLASIK-060050_15-1 | 3 | | | 20,8 | 62,40 | 2,09 | 130,42 |
| 325 | Space Heater | 22 PLAN KLASIK-060060_15-1 | 1 | | | 24,5 | 24,50 | 2,09 | 51,21 |
| 325 | Space Heater | 22 PLAN KLASIK-060080_15-1 | 2 | | | 31,9 | 63,80 | 2,09 | 133,34 |
| 325 | Space Heater | 22 PLAN KLASIK-060110_15-1 | 1 | | | 42,8 | 42,80 | 2,09 | 89,45 |
| 325 | Space Heater | 22 PLAN KLASIK-060180_15-1 | 1 | | | 68,9 | 68,90 | 2,09 | 144,00 |
| 325 | Space Heater | 22 PLAN KLASIK-060200_15-1 | 5 | | | 76,4 | 382,00 | 2,09 | 798,38 |
| 325 | Space Heater | 33 PLAN KLASIK-030140_15-1 | 3 | | | 37,8 | 113,40 | 2,09 | 237,01 |
| 325 | Space Heater | 33 PLAN KLASIK-040100_15-1 | 17 | | | 37,2 | 632,40 | 2,09 | 1 321,72 |
| 325 | Space Heater | 33 PLAN KLASIK-040120_15 | 29 | | | 43,7 | 1 267,30 | 2,09 | 2 648,66 |
| 325 | Space Heater | 33 PLAN KLASIK-040200_15-1 | 2 | | | 70 | 140,00 | 2,09 | 292,60 |
| 325 | Space Heater | 33 PLAN KLASIK-060080_15-1 | 2 | | | 46,4 | 92,80 | 2,09 | 193,95 |

| | | | | | | | | |
|-----|--------------|----------------------------|---|--|-------|-----------|------|-----------|
| 325 | Space Heater | 33 PLAN KLASIK-060120_15-1 | 1 | | 67,2 | 67,20 | 2,09 | 140,45 |
| 325 | Space Heater | 33 PLAN KLASIK-060160_15-1 | 1 | | 86,9 | 86,90 | 2,09 | 181,62 |
| 325 | Space Heater | 33 PLAN KLASIK-060200_15-1 | 2 | | 106,6 | 213,20 | 2,09 | 445,59 |
| 325 | Space Heater | 33 PLAN KLASIK-070200_15-1 | 1 | | 85,3 | 85,30 | 2,09 | 178,28 |
| | | | | | | 14 347,56 | | 29 986,40 |

C.4 Mengdedata for materialer med utslippsfaktorer

| Utslippsfaktorer | |
|---------------------|-----------------------------------|
| Materiale | GWP [kg CO ² -e/kg] |
| Polypropylen (PP) | 2,77 |
| Rustfritt stål (RS) | 4,61 |
| Støpejern (SJ) | 1,83 |
| Messing (Me) | 5,64 |

| Materialberegninger | | | | | | |
|-------------------------------|-----------------|---|--------|--------|----------|---------|
| Polypropylen (PP) | | | | | | |
| Element | | | Antall | Vekt | PP, 100% | |
| NS 3451 | Komponent | Navn | stk | kg/stk | kg | |
| 312 | Waste Terminal | Sluk 75 plast | 22 | 0,9 | 19,8 | |
| | | | | | 19,8 | |
| Rustfritt stål (RS) | | | | | | |
| Element | | | Antall | Vekt | RS, 100% | |
| NS 3451 | Komponent | Navn | stk | kg/stk | kg | |
| 312 | Waste Terminal | BLÜCHER® Drain model 260, Vertical, 75 mm outlet. For membrane or vinyl with Mounting set | 1 | 0,9 | 0,9 | |
| | | | | | 0,9 | |
| 315 | Waste Terminal | BLÜCHER® Channel 660FK 600x400x60mm, Ver. 110mm centre outlet, for Concrete, Tile. | 2 | 13,04 | 26,08 | |
| 315 | Waste Terminal | BLÜCHER® Drain model 740.642.075, round 200, Vertical 75 mm outlet. Vinyl Flooring | 1 | 2,25 | 2,25 | |
| 315 | Waste Terminal | BLÜCHER® Drain model 766.403, Low, square 300x300, Vertical 110 mm outlet. Concrete / Tile Flooring | 2 | 4,75 | 9,5 | |
| 315 | Waste Terminal | PurusLineTwist - bottom outlet -75-1000 | 11 | 23,55 | 259,05 | |
| 315 | Waste Terminal | PurusLineTwist - bottom outlet -75-800 | 2 | 23,55 | 47,1 | |
| 315 | Waste Terminal | roof-drain-110 | 3 | 3,24 | 9,72 | |
| 315 | Waste Terminal | Fettutskiller NS 12 | 1 | 320 | 320 | |
| | | | | | 673,70 | |
| 324 | Flow Controller | Zeparo G-Force ZG 100 | 1 | 40 | 40 | |
| 324 | Valve | AT2672FE-100 | 2 | 2,3 | 4,6 | |
| | | | | | 44,6 | |
| 374 | Valve | AT2672FE-150 | 2 | 4,5 | 9 | |
| 374 | Valve | AT2672FE-200 | 2 | 8,5 | 17 | |
| 374 | Valve | Check-valve-DN80 | 1 | 22,5 | 22,5 | |
| | | | | | 48,5 | |
| Støpejern (SJ) | | | | | | |
| Element | | | Antall | Vekt | SJ, 100% | |
| NS 3451 | Komponent | Navn | stk | kg/stk | kg | |
| 334 | Filter | GLO_Y_FILTER-100 | 1 | 20,6 | 20,6 | |
| | | | | | 20,6 | |
| 374 | Filter | GLO_Y_FILTER-200 | 2 | 77 | 154 | |
| 374 | Flow Meter | AT 7505-150-150 | 1 | 23,5 | 23,5 | |
| | | | | | 177,50 | |
| Messing (Me) | | | | | | |
| Element | | | Antall | Vekt | Me, 100% | |
| NS 3451 | Komponent | Navn | stk | kg/stk | kg | |
| 314 | Flow Meter | SHARKY775-032-PN16-flange | 1 | 4,8 | 4,8 | |
| | | | | | 4,8 | |
| Støpejern (SJ) + Messing (Me) | | | | | | |
| Element | | | Antall | Vekt | SJ, 48% | Me, 52% |
| NS 3451 | Komponent | Navn | stk | kg/stk | kg | kg |
| 324 | Flow Meter | SHARKY775-080-PN25-flange | 1 | 20,5 | 9,84 | 10,66 |
| 324 | Flow Meter | SHARKY775-0100-PN16-flange | 2 | 31,6 | 30,34 | 32,86 |
| | | | | | 40,18 | 43,52 |
| 374 | Flow Meter | SHARKY775-065-PN25-flange | 1 | 16,6 | 7,968 | 8,632 |
| | | | | | 7,968 | 8,632 |