

embodied carbon declaration

EC0002-E: 04/24

embodied carbon declaration for VSH XPress

Measuring our carbon emissions is the first step on the path to reducing them. As manufacturers of integrated piping systems, disclosing the embodied carbon of our products is key for achieving credible full life cycle assessments of the systems and buildings we help build.

The embodied carbon of a product includes all emissions released during making, installing and end-of life disposal. This excludes any emissions produced during its use and any benefits of potential reuse, recovery or recycling of materials at the end of its life. In the case of Aalberts IPS products, most emissions originate from the raw materials used to make them. This report does not include embodied carbon of packaging.

The table below shows the embodied carbon of our products calculated using **CIBSE TM65***. The total embodied carbon is reported in **kgCO₂e**: kg of carbon dioxide equivalents. This shows the impact of all greenhouse gas emissions as if they were CO₂ to allow for unified reporting.

While we conduct further investigation into our supply chains, we are choosing to calculate embodied carbon by using industry average values for the percentage of recycled content in our raw materials.



VSH XPress

VSH XPress is a press-fit jointing system, manufactured from copper, stainless steel, and carbon steel in sizes from 15-159mm.

A press-fit tool is used to compress fittings onto tube avoiding the need for solder, adhesives, or additional jointing materials.

It is ideal for use across a broad spectrum of applications and completed joints provide electrical continuity.

copper

XPress copper fittings are manufactured from copper and copper alloy, designed for jointing copper tubes to BS EN 1057 in sizes from 15-108mm. They are designed for use in potable water applications, hot and cold water services, and in heating and chilling water applications.

The fittings are guaranteed for 25 years against manufacturing defects, hold full BSI Kitemark Certification and are WRAS and DVGW approved.

VSH XPress copper fittings have a leak before press feature. This ensures any fittings that have been mistakenly left un-pressed are picked up during system testing.

code	name	type	size	total embodied carbon (kgCO ₂ e)*
38180	VSH XPress Copper straight union FF	6330	15	0.736
38179	VSH XPress Copper straight union FF	6330	18	0.729
38181	VSH XPress Copper straight union FF	6330	22	1.092
38182	VSH XPress Copper straight union FF	6330	28	1.711
38183	VSH XPress Copper straight union FF	6330	35	2.020
38184	VSH XPress Copper straight union FF	6330	42	2.819
38185	VSH XPress Copper straight union FF	6330	54	4.494
38235	VSH XPress Copper coupling with nut FF	6359	15xG $\frac{3}{4}$	0.350
38237	VSH XPress Copper coupling with nut FF	6359	18xG $\frac{3}{4}$	0.410
38238	VSH XPress Copper coupling with nut FF	6359	22xG1	0.535
38239	VSH XPress Copper coupling with nut FF	6359	28xG1 $\frac{1}{4}$	0.851
38242	VSH XPress Copper coupling with nut FF	6359	35xG1 $\frac{1}{2}$	1.039
38243	VSH XPress Copper coupling with nut FF	6359	42xG1 $\frac{3}{4}$	1.397
38244	VSH XPress Copper coupling with nut FF	6359	54xG2 $\frac{3}{8}$	2.637
38390	VSH XPress Copper pipe bend 90	7005	15	0.458
38392	VSH XPress Copper pipe bend 90	7005	22	0.623
38393	VSH XPress Copper pipe bend 90	7005	28	0.884
38432A	VSH XPress Copper elbow 45 F	7040	108x108	7.885
38402	VSH XPress Copper elbow 45 F	7040	12x12	0.124
38404	VSH XPress Copper elbow 45 F	7040	15x15	0.174
38403	VSH XPress Copper elbow 45 F	7040	18x18	0.220
38405	VSH XPress Copper elbow 45 F	7040	22x22	0.312
38406	VSH XPress Copper elbow 45 F	7040	28x28	0.449
38407	VSH XPress Copper elbow 45 F	7040	35x35	0.655
38408	VSH XPress Copper elbow 45 F	7040	42x42	0.981
38409	VSH XPress Copper elbow 45 F	7040	54x54	1.448
38430	VSH XPress Copper elbow 45 F	7040	66.7x66.7	3.391
38431	VSH XPress Copper elbow 45 F	7040	76.1x76.1	4.583
38433	VSH XPress Copper elbow 45 F	7040	88.9x88.9	6.873
38411	VSH XPress Copper elbow 45 FF	7041	12	0.115
38410	VSH XPress Copper elbow 45 FF	7041	15	0.179
38413	VSH XPress Copper elbow 45 FF	7041	18	0.234
38412	VSH XPress Copper elbow 45 FF	7041	22	0.298
38414	VSH XPress Copper elbow 45 FF	7041	28	0.431
38416	VSH XPress Copper elbow 45 FF	7041	35	0.610
38417	VSH XPress Copper elbow 45 FF	7041	42	0.940

38418	VSH XPress Copper elbow 45 FF	7041	54	1.330
38419	VSH XPress Copper elbow 45 FF	7041	66.7	2.985
38420	VSH XPress Copper elbow 45 FF	7041	76.1	3.894
38422	VSH XPress Copper elbow 45 FF	7041	88.9	5.603
38421	VSH XPress Copper elbow 45 FF	7041	108	9.632
38440	VSH XPress Copper crossover FF	7085	15	0.431
38442	VSH XPress Copper crossover FF	7085	18	0.426
38441	VSH XPress Copper crossover FF	7085	22	0.765
38435	VSH XPress Copper crossover F	7086	15x15	0.312
38437	VSH XPress Copper crossover F	7086	18x18	0.403
38436	VSH XPress Copper crossover F	7086	22x22	0.573
38438	VSH XPress Copper crossover x	7087	15	0.321
38434	VSH XPress Copper crossover x	7087	18	0.398
38439	VSH XPress Copper crossover x	7087	22	0.536
38555A	VSH XPress Copper T-piece reduced FFF	7125	108x108x54	11.007
38565A	VSH XPress Copper T-piece reduced FFF	7125	108x108x66.7	11.809
38557A	VSH XPress Copper T-piece reduced FFF	7125	108x108x76.1	11.833
38488	VSH XPress Copper T-piece reduced FFF	7125	15x15x12	0.376
38452	VSH XPress Copper T-piece reduced FFF	7125	18x18x12	0.427
38454	VSH XPress Copper T-piece reduced FFF	7125	18x18x15	0.445
38491	VSH XPress Copper T-piece reduced FFF	7125	22x22x12	0.642
38490	VSH XPress Copper T-piece reduced FFF	7125	22x22x15	0.454
38535	VSH XPress Copper T-piece reduced FFF	7125	22x22x18	0.477
38493	VSH XPress Copper T-piece reduced FFF	7125	28x28x12	0.807
38492	VSH XPress Copper T-piece reduced FFF	7125	28x28x15	0.537
38538	VSH XPress Copper T-piece reduced FFF	7125	28x28x18	0.546
38494	VSH XPress Copper T-piece reduced FFF	7125	28x28x22	0.550
38496	VSH XPress Copper T-piece reduced FFF	7125	35x35x15	0.803
38497	VSH XPress Copper T-piece reduced FFF	7125	35x35x22	0.761
38498	VSH XPress Copper T-piece reduced FFF	7125	35x35x28	0.858
38499	VSH XPress Copper T-piece reduced FFF	7125	42x42x15	1.302
38500	VSH XPress Copper T-piece reduced FFF	7125	42x42x22	1.421
38501	VSH XPress Copper T-piece reduced FFF	7125	42x42x28	1.765
38502	VSH XPress Copper T-piece reduced FFF	7125	42x42x35	1.541
38504	VSH XPress Copper T-piece reduced FFF	7125	54x54x22	2.049
38505	VSH XPress Copper T-piece reduced FFF	7125	54x54x28	1.989
38506	VSH XPress Copper T-piece reduced FFF	7125	54x54x35	2.086
38507	VSH XPress Copper T-piece reduced FFF	7125	54x54x42	2.590
38550	VSH XPress Copper T-piece reduced FFF	7125	66.7x66.7x28	3.892
38560	VSH XPress Copper T-piece reduced FFF	7125	66.7x66.7x35	3.736
38561	VSH XPress Copper T-piece reduced FFF	7125	66.7x66.7x42	4.172
38562	VSH XPress Copper T-piece reduced FFF	7125	66.7x66.7x54	4.259
38563	VSH XPress Copper T-piece reduced FFF	7125	76.1x76.1x22	5.103
38564	VSH XPress Copper T-piece reduced FFF	7125	76.1x76.1x28	5.076
38553	VSH XPress Copper T-piece reduced FFF	7125	76.1x76.1x35	5.227
38551	VSH XPress Copper T-piece reduced FFF	7125	76.1x76.1x42	5.543
38552	VSH XPress Copper T-piece reduced FFF	7125	76.1x76.1x54	5.850

38554A	VSH XPress Copper T-piece reduced FFF	7125	88.9x88.9x54	8.938
38556A	VSH XPress Copper T-piece reduced FFF	7125	88.9x88.9x76.1	9.787
38508	VSH XPress Copper T-piece reduced FFF	7126	15x12x15	0.363
38455	VSH XPress Copper T-piece reduced FFF	7126	18x15x18	0.440
38510	VSH XPress Copper T-piece reduced FFF	7126	22x15x22	0.614
38511	VSH XPress Copper T-piece reduced FFF	7126	22x18x22	0.628
38512	VSH XPress Copper T-piece reduced FFF	7126	28x15x28	0.578
38514	VSH XPress Copper T-piece reduced FFF	7126	28x22x28	0.578
38517	VSH XPress Copper T-piece reduced FFF	7126	35x22x35	1.320
38518	VSH XPress Copper T-piece reduced FFF	7126	35x28x35	1.297
38527	VSH XPress Copper T-piece reduced FFF	7127	15x12x12	0.381
38453	VSH XPress Copper T-piece reduced FFF	7127	18x15x15	0.463
38530	VSH XPress Copper T-piece reduced FFF	7127	22x15x15	0.624
38533	VSH XPress Copper T-piece reduced FFF	7127	22x15x18	0.592
38531	VSH XPress Copper T-piece reduced FFF	7127	22x18x15	0.559
38534	VSH XPress Copper T-piece reduced FFF	7127	22x18x18	0.619
38536	VSH XPress Copper T-piece reduced FFF	7127	28x22x15	0.834
38529	VSH XPress Copper T-piece reduced FFF	7127	28x22x18	0.798
38532	VSH XPress Copper T-piece reduced FFF	7127	28x22x22	0.592
38539	VSH XPress Copper T-piece reduced FFF	7127	35x22x22	1.160
38541	VSH XPress Copper T-piece reduced FFF	7127	35x28x22	1.320
38542	VSH XPress Copper T-piece reduced FFF	7127	35x28x28	1.338
38546	VSH XPress Copper T-piece reduced FFF	7127	42x35x35	1.655
38566	VSH XPress Copper T-piece reduced FFF	7127	54x42x42	2.855
38447	VSH XPress Copper T-piece reduced FFF	7128	12x12x15	0.363
38547	VSH XPress Copper T-piece reduced FFF	7128	15x15x18	0.417
38545	VSH XPress Copper T-piece reduced FFF	7128	15x15x22	0.500
38548	VSH XPress Copper T-piece reduced FFF	7128	22x22x28	0.871
38549	VSH XPress Copper T-piece reduced FFF	7128	28x28x35	1.467
38472	VSH XPress Copper T-piece FFF	7130	12	0.285
38450	VSH XPress Copper T-piece FFF	7130	15	0.363
38451	VSH XPress Copper T-piece FFF	7130	18	0.454
38460	VSH XPress Copper T-piece FFF	7130	22	0.605
38462	VSH XPress Copper T-piece FFF	7130	28	0.839
38464	VSH XPress Copper T-piece FFF	7130	35	1.265
38466	VSH XPress Copper T-piece FFF	7130	42	1.701
38467	VSH XPress Copper T-piece FFF	7130	54	2.787
38961	VSH XPress Copper T-piece FFF	7130	64	8.753
38468A	VSH XPress Copper T-piece FFF	7130	66.7	6.105
38469A	VSH XPress Copper T-piece FFF	7130	76.1	6.878
38470A	VSH XPress Copper T-piece FFF	7130	88.9	17.322
38471A	VSH XPress Copper T-piece FFF	7130	108	15.850
38063	VSH XPress Copper reducer FF	7240	15x12	0.138
38061	VSH XPress Copper reducer FF	7240	16x15	0.161
38064	VSH XPress Copper reducer FF	7240	22x15	0.220
38065	VSH XPress Copper reducer FF	7240	28x15	0.326
38066	VSH XPress Copper reducer FF	7240	28x22	0.307

38067	VSH XPress Copper reducer FF	7240	35x28	0.427
38068	VSH XPress Copper reducer FF	7240	42x35	0.674
38069	VSH XPress Copper reducer FF	7240	54x42	0.940
38228	VSH XPress Copper reducer F	7243	108x42	4.278
38229	VSH XPress Copper reducer F	7243	108x54	4.320
38230	VSH XPress Copper reducer F	7243	108x66.7	4.806
38231	VSH XPress Copper reducer F	7243	108x76.1	5.018
38232	VSH XPress Copper reducer F	7243	108x88.9	5.307
38193	VSH XPress Copper reducer F	7243	15x12	0.128
38196	VSH XPress Copper reducer F	7243	18x12	1.191
38197	VSH XPress Copper reducer F	7243	18x15	0.138
38200	VSH XPress Copper reducer F	7243	22x15	0.161
38201	VSH XPress Copper reducer F	7243	22x18	0.179
38202	VSH XPress Copper reducer F	7243	28x15	0.243
38203	VSH XPress Copper reducer F	7243	28x18	0.257
38204	VSH XPress Copper reducer F	7243	28x22	0.266
38207	VSH XPress Copper reducer F	7243	35x22	0.339
38208	VSH XPress Copper reducer F	7243	35x28	0.362
38210	VSH XPress Copper reducer F	7243	42x22	0.499
38211	VSH XPress Copper reducer F	7243	42x28	0.536
38212	VSH XPress Copper reducer F	7243	42x35	0.504
38215	VSH XPress Copper reducer F	7243	54x28	0.806
38216	VSH XPress Copper reducer F	7243	54x35	0.710
38217	VSH XPress Copper reducer F	7243	54x42	0.848
38967A	VSH XPress Copper reducer F	7243	64x54	0.917
38218	VSH XPress Copper reducer F	7243	66.7x28	1.484
38219	VSH XPress Copper reducer F	7243	66.7x35	1.466
38220	VSH XPress Copper reducer F	7243	66.7x42	1.466
38221	VSH XPress Copper reducer F	7243	66.7x54	1.283
38222	VSH XPress Copper reducer F	7243	76.1x35	1.942
38223	VSH XPress Copper reducer F	7243	76.1x42	1.901
38224	VSH XPress Copper reducer F	7243	76.1x54	1.988
38225	VSH XPress Copper reducer F	7243	76.1x66.7	2.337
38233	VSH XPress Copper reducer F	7243	88.9x42	2.726
38226	VSH XPress Copper reducer F	7243	88.9x54	2.781
38227	VSH XPress Copper reducer F	7243	88.9x76.1	3.442
38009	VSH XPress Copper straight coupling FF	7270	12	0.110
38010	VSH XPress Copper straight coupling FF	7270	15	0.147
38011	VSH XPress Copper straight coupling FF	7270	18	0.175
38020	VSH XPress Copper straight coupling FF	7270	22	0.225
38030	VSH XPress Copper straight coupling FF	7270	28	0.294
38032	VSH XPress Copper straight coupling FF	7270	35	0.395
38034	VSH XPress Copper straight coupling FF	7270	42	0.633
38035	VSH XPress Copper straight coupling FF	7270	54	0.954
38970	VSH XPress Copper straight coupling FF	7270	64	3.576
38036	VSH XPress Copper straight coupling FF	7270	66.7	1.996
38037	VSH XPress Copper straight coupling FF	7270	76.1	2.680

38039	VSH XPress Copper straight coupling FF	7270	88.9	4.174
38038	VSH XPress Copper straight coupling FF	7270	108	5.799
38702	VSH XPress Copper stop end F	7301	12	0.069
38695	VSH XPress Copper stop end F	7301	15	0.092
38696	VSH XPress Copper stop end F	7301	18	0.092
38697	VSH XPress Copper stop end F	7301	22	0.151
38698	VSH XPress Copper stop end F	7301	28	0.202
38699	VSH XPress Copper stop end F	7301	35	0.312
38700	VSH XPress Copper stop end F	7301	42	0.417
38701	VSH XPress Copper stop end F	7301	54	0.674
38691	VSH XPress Copper stop end F	7301	66.7	2.145
38692	VSH XPress Copper stop end F	7301	76.1	2.384
38693	VSH XPress Copper stop end F	7301	88.9	3.475
38694	VSH XPress Copper stop end F	7301	108	5.008
38346	VSH XPress Copper angle adapter 90 FF	6090G	12xRp $\frac{3}{8}$	0.352
38345	VSH XPress Copper angle adapter 90 FF	6090G	12xRp $\frac{1}{2}$	0.386
38347	VSH XPress Copper angle adapter 90 FF	6090G	15xRp $\frac{3}{8}$	0.386
38375	VSH XPress Copper angle adapter 90 FF (Mk2)	6090G	15xRp $\frac{1}{2}$	0.568
38351	VSH XPress Copper angle adapter 90 FF	6090G	15xRp $\frac{1}{2}$	0.540
38344	VSH XPress Copper angle adapter 90 FF	6090G	15xRp $\frac{3}{4}$	0.606
38348	VSH XPress Copper angle adapter 90 FF	6090G	18xRp $\frac{1}{2}$	0.512
38349	VSH XPress Copper angle adapter 90 FF	6090G	18xRp $\frac{3}{4}$	0.678
38350	VSH XPress Copper angle adapter 90 FF	6090G	22xRp $\frac{1}{2}$	0.728
38353	VSH XPress Copper angle adapter 90 FF	6090G	22xRp $\frac{3}{4}$	0.639
38354	VSH XPress Copper angle adapter 90 FF	6090G	28xRp1	1.158
38355	VSH XPress Copper angle adapter 90 FF	6090G	35xRp1 $\frac{1}{4}$	1.963
38356	VSH XPress Copper angle adapter 90 FF	6090G	42xRp1 $\frac{1}{2}$	2.680
38357	VSH XPress Copper angle adapter 90 FF	6090G	54xRp2	4.225
38370	VSH XPress Copper bend 90 FM	6092G	12xR $\frac{1}{2}$	0.369
38339	VSH XPress Copper bend 90 FM	6092G	15xR $\frac{3}{8}$	0.375
38333	VSH XPress Copper bend 90 FM	6092G	15xR $\frac{1}{2}$	0.424
38340	VSH XPress Copper bend 90 FM	6092G	18xR $\frac{1}{2}$	0.529
38372	VSH XPress Copper bend 90 FM	6092G	18xR $\frac{3}{4}$	0.568
38334	VSH XPress Copper bend 90 FM	6092G	22xR $\frac{3}{4}$	0.750
38335	VSH XPress Copper bend 90 FM	6092G	28xR1	1.373
38336	VSH XPress Copper bend 90 FM	6092G	35xR1 $\frac{1}{4}$	1.786
38337	VSH XPress Copper bend 90 FM	6092G	42xR1 $\frac{1}{2}$	2.525
38338	VSH XPress Copper bend 90 FM	6092G	54xR2	3.816
38655	VSH XPress Copper bend 90 FM	6092GC	15xR $\frac{1}{2}$ Cr	0.424
38790	VSH XPress Copper angle adapter 90 flat seal FF	6096G	12xRp $\frac{1}{2}$	0.833
38791	VSH XPress Copper angle adapter 90 flat seal FF	6096G	15xRp $\frac{1}{2}$	0.913
38792	VSH XPress Copper angle adapter 90 flat seal FF	6096G	18xRp $\frac{1}{2}$	0.934
38793	VSH XPress Copper angle adapter 90 flat seal FF	6096G	18xRp $\frac{3}{4}$	1.387
38794	VSH XPress Copper angle adapter 90 flat seal FF	6096G	22xRp $\frac{3}{4}$	1.424

38795	VSH XPress Copper angle adapter 90 flat seal FF	6096G	22xRp1	1.705
38796	VSH XPress Copper angle adapter 90 flat seal FF	6096G	28xRp1	2.341
38191	VSH XPress Copper T-piece female thread FFF	6130G	108x108xRp½	12.015
38585	VSH XPress Copper T-piece female thread FFF	6130G	15x15xRp½	0.512
38586	VSH XPress Copper T-piece female thread FFF	6130G	18x18xRp½	0.749
38591	VSH XPress Copper T-piece female thread FFF	6130G	22x22xRp½	0.738
38587	VSH XPress Copper T-piece female thread FFF	6130G	22x22xRp¾	0.854
38592	VSH XPress Copper T-piece female thread FFF	6130G	28x28xRp½	1.173
38593	VSH XPress Copper T-piece female thread FFF	6130G	28x28xRp¾	1.284
38594	VSH XPress Copper T-piece female thread FFF	6130G	35x35xRp½	1.597
38596	VSH XPress Copper T-piece female thread FFF	6130G	42x42xRp½	2.137
38597	VSH XPress Copper T-piece female thread FFF	6130G	54x54xRp½	3.770
38190	VSH XPress Copper T-piece female thread FFF	6130G	76.1x76.1xRp½	7.059
38733	VSH XPress Copper T-piece female thread FFF	6130GC	15x15xRp½ Cr	0.611
38206	VSH XPress Copper Multi-Port FF	6131G	108xRp¾	12.351
38189	VSH XPress Copper Multi-Port FF	6131G	66.7xRp½	5.663
38188	VSH XPress Copper Multi-Port FF	6131G	76.1xRp½	6.777
38192	VSH XPress Copper Multi-Port FF	6131G	88.9xRp¾	9.725
38124	VSH XPress Copper straight connector FM	6243G	108xR4	9.426
38105	VSH XPress Copper straight connector FM	6243G	12xR¾	0.176
38106	VSH XPress Copper straight connector FM	6243G	12xR½	0.275
38107	VSH XPress Copper straight connector FM	6243G	15xR¾	0.192
38114	VSH XPress Copper straight connector FM	6243G	15xR½	0.253
38115	VSH XPress Copper straight connector FM	6243G	15xR¾	0.341
38108	VSH XPress Copper straight connector FM	6243G	18xR½	0.275
38109	VSH XPress Copper straight connector FM	6243G	18xR¾	0.397
38110	VSH XPress Copper straight connector FM	6243G	22xR½	0.446
38116	VSH XPress Copper straight connector FM	6243G	22xR¾	0.408
38117	VSH XPress Copper straight connector FM	6243G	22xR1	0.518
38111	VSH XPress Copper straight connector FM	6243G	28xR¾	0.523
38118	VSH XPress Copper straight connector FM	6243G	28xR1	0.590
38127	VSH XPress Copper straight connector FM	6243G	28xR1 ¼	0.838
38112	VSH XPress Copper straight connector FM	6243G	35xR1	0.699
38119	VSH XPress Copper straight connector FM	6243G	35xR1 ¼	0.843
38113	VSH XPress Copper straight connector FM	6243G	42xR1 ¼	1.289
38120	VSH XPress Copper straight connector FM	6243G	42xR1 ½	1.217
38121	VSH XPress Copper straight connector FM	6243G	54xR2	1.775
38956	VSH XPress Copper straight connector FM	6243G	64xR2 ½	3.863
38122	VSH XPress Copper straight connector FM	6243G	66.7xR2 ½	4.128
38126	VSH XPress Copper straight connector FM	6243G	76.1xR2 ½	5.014
38123	VSH XPress Copper straight connector FM	6243G	76.1xR3	6.062
38125	VSH XPress Copper straight connector FM	6243G	88.9xR3	8.057

38627	VSH XPress Copper straight connector FM	6243GC	12xR $\frac{3}{8}$ Cr	0.176
38628	VSH XPress Copper straight connector FM	6243GC	12xR $\frac{1}{2}$ Cr	0.275
38629	VSH XPress Copper straight connector FM	6243GC	15xR $\frac{3}{8}$ Cr	0.192
38630	VSH XPress Copper straight connector FM	6243GC	15xR $\frac{1}{2}$ Cr	0.253
38160	VSH XPress Copper straight connector F	6246G	15xRp $\frac{1}{2}$	0.243
38157	VSH XPress Copper straight connector F	6246G	18xRp $\frac{1}{2}$	0.259
38158	VSH XPress Copper straight connector F	6246G	18xRp $\frac{3}{4}$	0.331
38159	VSH XPress Copper straight connector F	6246G	22xRp $\frac{1}{2}$	0.292
38161	VSH XPress Copper straight connector F	6246G	22xRp $\frac{3}{4}$	0.370
38166	VSH XPress Copper straight connector F	6246G	28xRp $\frac{3}{4}$	0.497
38162	VSH XPress Copper straight connector F	6246G	28xRp1	0.530
38167	VSH XPress Copper straight connector F	6246G	35xRp1	0.817
38163	VSH XPress Copper straight connector F	6246G	35xRp1 $\frac{1}{4}$	0.899
38164	VSH XPress Copper straight connector F	6246G	42xRp1 $\frac{1}{2}$	1.275
38165	VSH XPress Copper straight connector F	6246G	54xRp2	2.020
38082	VSH XPress Copper straight connector FF	6270G	12xRp $\frac{3}{8}$	0.148
38081	VSH XPress Copper straight connector FF	6270G	12xRp $\frac{1}{2}$	0.231
38083	VSH XPress Copper straight connector FF	6270G	15xRp $\frac{3}{8}$	0.176
38090	VSH XPress Copper straight connector FF	6270G	15xRp $\frac{1}{2}$	0.253
38091	VSH XPress Copper straight connector FF	6270G	15xRp $\frac{3}{4}$	0.336
38084	VSH XPress Copper straight connector FF	6270G	18xRp $\frac{1}{2}$	0.275
38085	VSH XPress Copper straight connector FF	6270G	18xRp $\frac{3}{4}$	0.347
38086	VSH XPress Copper straight connector FF	6270G	22xRp $\frac{1}{2}$	0.474
38092	VSH XPress Copper straight connector FF	6270G	22xRp $\frac{3}{4}$	0.220
38087	VSH XPress Copper straight connector FF	6270G	22xRp1	0.512
38088	VSH XPress Copper straight connector FF	6270G	28xRp $\frac{3}{4}$	0.683
38093	VSH XPress Copper straight connector FF	6270G	28xRp1	0.529
38103	VSH XPress Copper straight connector FF	6270G	28xRp1 $\frac{1}{4}$	0.783
38080	VSH XPress Copper straight connector FF	6270G	35xRp $\frac{3}{4}$	0.440
38089	VSH XPress Copper straight connector FF	6270G	35xRp1	0.815
38094	VSH XPress Copper straight connector FF	6270G	35xRp1 $\frac{1}{4}$	0.766
38101	VSH XPress Copper straight connector FF	6270G	42xRp1 $\frac{1}{4}$	0.886
38095	VSH XPress Copper straight connector FF	6270G	42xRp1 $\frac{1}{2}$	1.184
38096	VSH XPress Copper straight connector FF	6270G	54xRp2	1.714
38954	VSH XPress Copper straight connector FF	6270G	64xRp2 $\frac{1}{2}$	3.582
38619	VSH XPress Copper straight connector FF	6270GC	12xRp $\frac{3}{8}$ Cr	0.148
38620	VSH XPress Copper straight connector FF	6270GC	12xRp $\frac{1}{2}$ Cr	0.231
38621	VSH XPress Copper straight connector FF	6270GC	15xRp $\frac{3}{8}$ Cr	0.176
38622	VSH XPress Copper straight connector FF	6270GC	15xRp $\frac{1}{2}$ Cr	0.253
38170	VSH XPress Copper straight connector M	6280G	15xR $\frac{1}{2}$	0.303
38173	VSH XPress Copper straight connector M	6280G	18xR $\frac{1}{2}$	0.226
38174	VSH XPress Copper straight connector M	6280G	18xR $\frac{3}{4}$	0.486
38175	VSH XPress Copper straight connector M	6280G	22xR $\frac{1}{2}$	0.375
38171	VSH XPress Copper straight connector M	6280G	22xR $\frac{3}{4}$	0.430
38172	VSH XPress Copper straight connector M	6280G	28xR1	0.640
38176	VSH XPress Copper straight connector M	6280G	35xR1 $\frac{1}{4}$	1.070
38177	VSH XPress Copper straight connector M	6280G	42xR1 $\frac{1}{2}$	1.600

38828	VSH XPress Copper straight union flat seal FF	6330G	12xRp½	0.480
38833	VSH XPress Copper straight union flat seal FF	6330G	15xRp½	0.538
38829	VSH XPress Copper straight union flat seal FF	6330G	15xRp¾	0.687
38830	VSH XPress Copper straight union flat seal FF	6330G	18xRp½	0.553
38831	VSH XPress Copper straight union flat seal FF	6330G	18xRp¾	0.829
38834	VSH XPress Copper straight union flat seal FF	6330G	22xRp¾	0.960
38832	VSH XPress Copper straight union flat seal FF	6330G	22xRp1	1.115
38827	VSH XPress Copper straight union flat seal FF	6330G	28xRp¾	1.397
38835	VSH XPress Copper straight union flat seal FF	6330G	28xRp1	1.386
38836	VSH XPress Copper straight union flat seal FF	6330G	35xRp1 ¼	1.949
38837	VSH XPress Copper straight union flat seal FF	6330G	42xRp1 ½	2.727
38838	VSH XPress Copper straight union flat seal FF	6330G	54xRp2	4.027
38807	VSH XPress Copper straight union flat seal FM	6331G	12xR¾	0.369
38808	VSH XPress Copper straight union flat seal FM	6331G	12xR½	0.629
38813	VSH XPress Copper straight union flat seal FM	6331G	15xR½	0.659
38809	VSH XPress Copper straight union flat seal FM	6331G	15xR¾	0.770
38810	VSH XPress Copper straight union flat seal FM	6331G	18xR½	0.675
38811	VSH XPress Copper straight union flat seal FM	6331G	18xR¾	0.780
38812	VSH XPress Copper straight union flat seal FM	6331G	22xR½	1.054
38814	VSH XPress Copper straight union flat seal FM	6331G	22xR¾	1.098
38815	VSH XPress Copper straight union flat seal FM	6331G	22xR1	1.369
38820	VSH XPress Copper straight union flat seal FM	6331G	28xR¾	1.728
38816	VSH XPress Copper straight union flat seal FM	6331G	28xR1	1.741
38817	VSH XPress Copper straight union flat seal FM	6331G	35xR1 ¼	2.153
38818	VSH XPress Copper straight union flat seal FM	6331G	42xR1 ½	3.130
38819	VSH XPress Copper straight union flat seal FM	6331G	54xR2	4.683
38742	VSH XPress Copper coupling with nut FF	6359C	15xG¾ Cr	0.372
38397	VSH XPress Copper wall plate on bracket 90 FF	6472G	12xRp½	0.496
38400	VSH XPress Copper wall plate on bracket 90 FF	6472G	15xRp½	0.496
38398	VSH XPress Copper wall plate on bracket 90 FF	6472G	18xRp½	0.645
38401	VSH XPress Copper wall plate on bracket 90 FF	6472G	22xRp¾	0.761
38399	VSH XPress Copper wall plate on bracket long 90 FF	6472L	15xRp½	0.915
38330A	VSH XPress Copper elbow 90 F	7001A	108x108	10.404
38317	VSH XPress Copper elbow 90 F	7001A	12x12	0.147

38318	VSH XPress Copper elbow 90 F	7001A	15x15	0.202
38319	VSH XPress Copper elbow 90 F	7001A	18x18	0.266
38320	VSH XPress Copper elbow 90 F	7001A	22x22	0.353
38322	VSH XPress Copper elbow 90 F	7001A	28x28	0.536
38324	VSH XPress Copper elbow 90 F	7001A	35x35	0.880
38325	VSH XPress Copper elbow 90 F	7001A	42x42	1.237
38326	VSH XPress Copper elbow 90 F	7001A	54x54	1.920
38327A	VSH XPress Copper elbow 90 F	7001A	66.7x66.7	3.670
38328	VSH XPress Copper elbow 90 F	7001A	76.1x76.1	5.109
38329	VSH XPress Copper elbow 90 F	7001A	88.9x88.9	7.377
38649	VSH XPress Copper elbow 90 F	7001AC	12x12 Cr	0.147
38650	VSH XPress Copper elbow 90 F	7001AC	15x15 Cr	0.211
38651	VSH XPress Copper elbow 90 F	7001AC	22x22 Cr	0.367
38279	VSH XPress Copper elbow 90 FF	7002A	12	0.142
38280	VSH XPress Copper elbow 90 FF	7002A	15	0.207
38282	VSH XPress Copper elbow 90 FF	7002A	18	0.284
38290	VSH XPress Copper elbow 90 FF	7002A	22	0.367
38300	VSH XPress Copper elbow 90 FF	7002A	28	0.546
38302	VSH XPress Copper elbow 90 FF	7002A	35	0.798
38304	VSH XPress Copper elbow 90 FF	7002A	42	1.142
38306	VSH XPress Copper elbow 90 FF	7002A	54	1.783
38958	VSH XPress Copper elbow 90 FF	7002A	64	3.713
38307	VSH XPress Copper elbow 90 FF	7002A	66.7	3.800
38308	VSH XPress Copper elbow 90 FF	7002A	76.1	5.094
38309	VSH XPress Copper elbow 90 FF	7002A	88.9	8.296
38310	VSH XPress Copper elbow 90 FF	7002A	108	11.285
38645	VSH XPress Copper elbow 90 FF	7002AC	12 Cr	0.142
38646	VSH XPress Copper elbow 90 FF	7002AC	15 Cr	0.207
38647	VSH XPress Copper elbow 90 FF	7002AC	22 Cr	0.367
38311	VSH XPress Copper reduced elbow 90 FF	7002R	22x15	0.330
38671	VSH XPress Copper elbow 45 F	7040C	12x12 Cr	0.119
38672	VSH XPress Copper elbow 45 F	7040C	15x15 Cr	0.174
38667	VSH XPress Copper elbow 45 FF	7041C	12 Cr	0.115
38668	VSH XPress Copper elbow 45 FF	7041C	15 Cr	0.179
38675	VSH XPress Copper crossover F	7086C	15x15 Cr	0.316
38714	VSH XPress Copper T-piece reduced FFF	7125C	15x15x12 Cr	0.376
38715	VSH XPress Copper T-piece reduced FFF	7125C	22x22x15 Cr	0.505
38719	VSH XPress Copper T-piece reduced FFF	7126C	15x12x15 Cr	0.381
38723	VSH XPress Copper T-piece reduced FFF	7127C	15x12x12 Cr	0.385
38710	VSH XPress Copper T-piece FFF	7130C	12 Cr	0.276
38711	VSH XPress Copper T-piece FFF	7130C	15 Cr	0.381
38712	VSH XPress Copper T-piece FFF	7130C	22 Cr	0.550
38616	VSH XPress Copper reducer FF	7240C	15x12 Cr	0.138
38617	VSH XPress Copper reducer FF	7240C	22x15 Cr	0.413
38636	VSH XPress Copper reducer F	7243C	15x12 Cr	0.124
38639	VSH XPress Copper reducer F	7243C	22x15 Cr	0.170
38610	VSH XPress Copper straight coupling FF	7270C	12 Cr	0.101

38611	VSH XPress Copper straight coupling FF	7270C	15 Cr	0.147
38612	VSH XPress Copper straight coupling FF	7270C	22 Cr	0.229
38044	VSH XPress Copper slip coupling FF	7270S	15	0.248
38054	VSH XPress Copper slip coupling FF	7270S	18	0.303
38045	VSH XPress Copper slip coupling FF	7270S	22	0.376
38046	VSH XPress Copper slip coupling FF	7270S	28	0.514
38047	VSH XPress Copper slip coupling FF	7270S	35	0.679
38048	VSH XPress Copper slip coupling FF	7270S	42	0.986
38049	VSH XPress Copper slip coupling FF	7270S	54	1.563
38040	VSH XPress Copper slip coupling FF	7270S	66.7	2.215
38041	VSH XPress Copper slip coupling FF	7270S	76.1	2.726
38042	VSH XPress Copper slip coupling FF	7270S	88.9	3.368
38043	VSH XPress Copper slip coupling FF	7270S	108	5.162
38614	VSH XPress Copper slip coupling FF	7270SC	15 Cr	0.248
38739	VSH XPress Copper stop end F	7301C	15 Cr	0.078
38980	VSH XPress Copper elbow 90 FM	S13K	15xR½	0.430
38686	VSH XPress Copper stop end	S302	35	0.820
38688	VSH XPress Copper stop end	S302	42	1.104
38690	VSH XPress Copper stop end	S302	54	2.070
38642	VSH XPress Copper straight connector M	S8CP	15xR½ Cr	0.303

stainless

XPress stainless comprises press-fit fittings and stainless steel 316 system tube, available in sizes 15-108mm, the range is designed for use in potable water applications where water quality and hygiene are crucial.

The fittings are guaranteed for 25 years against manufacturing defects and are WRAS and DVGW approved.

VSH XPress stainless fittings have a leak before press feature. Each fitting is individually marked indicating material (green for stainless). Male ended fittings are also pre-marked with the required insertion depth.

For detailed embodied carbon figures please refer to the VSH XPress Stainless EPD: [EPD-VSH-XPress-Stainless.pdf \(aalberts-ips.co.uk\)](#)

If there are specific products that are excluded from the EPD, please reach out to sustainability.uk@aalberts-ips.com.

carbon

XPress carbon incorporates fittings and two carbon steel system tube options, available in sizes 15-108mm, with plastic coated galvanised carbon steel system tube in sizes 15-54mm. The range is designed for use in vented and unvented closed circuit heating and chilled water applications.

The fittings are guaranteed for 10 years against manufacturing defects when installed exclusively with carbon steel system tube.

VSH XPress carbon fittings have a leak before press feature. Each fitting is individually marked indicating material (red for carbon). Male ended fittings are also pre-marked with the required insertion depth.

For detailed embodied carbon figures please refer to the VSH XPress Carbon EPD:
[EPD-VSH-XPress-Carbon.pdf \(aalberts-ips.co.uk\)](https://aalberts-ips.co.uk/EPD-VSH-XPress-Carbon.pdf)

If there are specific products that are excluded from the EPD, please reach out to
sustainability.uk@aalberts-ips.com.

copper gas

XPress copper gas fittings are manufactured from copper and copper alloy, designed for joining copper tubes to BS EN 1057 in sizes from 15-108mm. They are designed for external above ground 2nd and 3rd family gas installation pipework.

The fittings are guaranteed for 25 years against manufacturing defects, hold full BSI Kitemark Certification, are DVGW approved and meet the requirements of section 5(1) of The Gas Safety (Installation and Use) Regulations 1998.

code	name	type	size	total embodied carbon (kgCO ₂ e)*
38367	VSH XPress Copper flange adapter PN10-16 coated F 108 DN100	7510	108xDN100 PN16	25.471
38364	VSH XPress Copper flange adapter PN10-16 coated F 66.7 DN65	7510	66.7xDN65 PN16	19.220
23900	VSH XPress Copper flange adapter EN-AS coated F 66.7 DN65	7510	66.7xDN65 PN16	17.752
38369	VSH XPress Copper flange adapter PN10-16 coated F 76.1 DN65	7510	76.1xDN65 PN16	19.169
23901	VSH XPress Copper flange adapter EN-AS coated F 76.1 DN65	7510	76.1xDN65 PN16	18.371
38365	VSH XPress Copper flange adapter PN10-16 coated F 76.1 DN80	7510	76.1xDN80 PN16	19.903
38366	VSH XPress Copper flange adapter PN10-16 coated F 88.9 DN80	7510	88.9xDN80 PN16	20.113
23902	VSH XPress Copper flange adapter EN-AS coated F 88.9 DN80	7510	88.9xDN80 PN16	20.094
38362	VSH XPress Copper flange adapter PN10-16 coated 108 DN100	7520	108xDN100 PN16	23.696
38359	VSH XPress Copper flange adapter PN10-16 coated 66.7 DN65	7520	66.7xDN65 PN16	17.855
38360	VSH XPress Copper flange adapter PN10-16 coated 76.1 DN80	7520	76.1xDN80 PN16	20.010
39388	VSH XPress Copper Gas T-piece threaded FFF	G6130G	108x108xRp½	11.900
39890	VSH XPress Copper Gas T-piece female thread FFF	G6130G	15x15xRp½	0.640
39891	VSH XPress Copper Gas T-piece female thread FFF	G6130G	18x18xRp½	0.683
39892	VSH XPress Copper Gas T-piece female thread FFF	G6130G	22x22xRp½	0.869
39893	VSH XPress Copper Gas T-piece female thread FFF	G6130G	22x22xRp¾	0.981
39894	VSH XPress Copper Gas T-piece female thread FFF	G6130G	28x28xRp½	1.079
39895	VSH XPress Copper Gas T-piece female thread FFF	G6130G	28x28xRp¾	1.477
39896	VSH XPress Copper Gas T-piece female thread FFF	G6130G	35x35xRp½	1.447
38897	VSH XPress Copper Gas T-piece female thread FFF	G6130G	35x35xRp1	1.486
39898	VSH XPress Copper Gas T-piece female thread FFF	G6130G	42x42xRp½	1.813
39899	VSH XPress Copper Gas T-piece female thread FFF	G6130G	54x54xRp½	2.859

39386	VSH XPress Copper Gas T-piece threaded FFF	G6130G	76.1x76.1xRp½	7.142
39315	VSH XPress Copper Gas straight connector FM	G6243G	108xR4	9.426
39730	VSH XPress Copper Gas straight connector FM	G6243G	15xR½	0.297
39731	VSH XPress Copper Gas straight connector FM	G6243G	15xR¾	0.347
39728	VSH XPress Copper Gas straight connector FM	G6243G	18xR½	0.275
39729	VSH XPress Copper Gas straight connector FM	G6243G	18xR¾	0.446
39732	VSH XPress Copper Gas straight connector FM	G6243G	22xR½	0.452
39733	VSH XPress Copper Gas straight connector FM	G6243G	22xR¾	0.441
39734	VSH XPress Copper Gas straight connector FM	G6243G	22xR1	0.529
39737	VSH XPress Copper Gas straight connector FM	G6243G	28xR¾	0.507
39735	VSH XPress Copper Gas straight connector FM	G6243G	28xR1	0.639
39736	VSH XPress Copper Gas straight connector FM	G6243G	28xR1 ¼	0.843
39738	VSH XPress Copper Gas straight connector FM	G6243G	35xR1	0.859
39739	VSH XPress Copper Gas straight connector FM	G6243G	35xR1 ¼	0.826
39741	VSH XPress Copper Gas straight connector FM	G6243G	42xR1 ¼	1.466
39740	VSH XPress Copper Gas straight connector FM	G6243G	42xR1 ½	1.444
39742	VSH XPress Copper Gas straight connector FM	G6243G	54xR2	1.708
39311	VSH XPress Copper Gas straight connector FM	G6243G	66.7xR2 ½	4.128
39313	VSH XPress Copper Gas straight connector FM	G6243G	76.1xR3	5.902
39720	VSH XPress Copper Gas straight connector FF	G6270G	15xRp½	0.292
39721	VSH XPress Copper Gas straight connector FF	G6270G	15xRp¾	0.369
39716	VSH XPress Copper Gas straight connector FF	G6270G	18xRp½	0.303
39717	VSH XPress Copper Gas straight connector FF	G6270G	18xRp¾	0.391
39722	VSH XPress Copper Gas straight connector FF	G6270G	22xRp½	0.479
39723	VSH XPress Copper Gas straight connector FF	G6270G	22xRp¾	0.391
39724	VSH XPress Copper Gas straight connector FF	G6270G	28xRp1	0.556
39725	VSH XPress Copper Gas straight connector FF	G6270G	35xRp1 ¼	0.915
39726	VSH XPress Copper Gas straight connector FF	G6270G	42xRp1 ½	1.179
39727	VSH XPress Copper Gas straight connector FF	G6270G	54xRp2	1.891
39770	VSH XPress Copper Gas straight union FF	G6340	15	0.995
39771	VSH XPress Copper Gas straight union FF	G6340	22	1.434
39772	VSH XPress Copper Gas straight union FF	G6340	28	1.981
39773	VSH XPress Copper Gas straight union FF	G6340	35	3.068
39774	VSH XPress Copper Gas straight union FF	G6340	42	4.093
39775	VSH XPress Copper Gas straight union FF	G6340	54	6.618

39910	VSH XPress Copper Gas coupling with nut FF	G6360	15xG7 $\frac{8}{8}$	0.493
39912	VSH XPress Copper Gas coupling with nut FF	G6360	28xG1 $\frac{3}{8}$	1.109
39820	VSH XPress Copper Gas wall plate on bracket 90 FF	G6471G	15xRp $\frac{1}{2}$	0.888
39819	VSH XPress Copper Gas wall plate on bracket 90 FF	G6471G	18xRp $\frac{1}{2}$	0.904
39821	VSH XPress Copper Gas wall plate on bracket 90 FF	G6471G	22xRp $\frac{3}{4}$	1.754
39349	VSH XPress Copper Gas elbow 90 F	G7001A	108	11.915
39790	VSH XPress Copper Gas elbow 90 F	G7001A	15x15	0.206
39789	VSH XPress Copper Gas elbow 90 F	G7001A	18x18	0.270
39791	VSH XPress Copper Gas elbow 90 F	G7001A	22x22	0.357
39792	VSH XPress Copper Gas elbow 90 F	G7001A	28x28	0.545
39793	VSH XPress Copper Gas elbow 90 F	G7001A	35x35	0.967
39794	VSH XPress Copper Gas elbow 90 F	G7001A	42x42	1.393
39795	VSH XPress Copper Gas elbow 90 F	G7001A	54x54	2.062
39346	VSH XPress Copper Gas elbow 90 F	G7001A	66.7	4.124
39347	VSH XPress Copper Gas elbow 90 F	G7001A	76.1	4.857
39344	VSH XPress Copper Gas elbow 90 FF	G7002A	108	11.285
39780	VSH XPress Copper Gas elbow 90 FF	G7002A	15	0.211
39779	VSH XPress Copper Gas elbow 90 FF	G7002A	18	0.262
39781	VSH XPress Copper Gas elbow 90 FF	G7002A	22	0.371
39782	VSH XPress Copper Gas elbow 90 FF	G7002A	28	0.546
39783	VSH XPress Copper Gas elbow 90 FF	G7002A	35	0.917
39784	VSH XPress Copper Gas elbow 90 FF	G7002A	42	1.279
39785	VSH XPress Copper Gas elbow 90 FF	G7002A	54	1.879
39341	VSH XPress Copper Gas elbow 90 FF	G7002A	66.7	3.800
39342	VSH XPress Copper Gas elbow 90 FF	G7002A	76.1	5.094
39359	VSH XPress Copper Gas elbow 45 F	G7040	108	8.343
39835	VSH XPress Copper Gas elbow 45 F	G7040	15	0.188
39833	VSH XPress Copper Gas elbow 45 F	G7040	18	0.215
39836	VSH XPress Copper Gas elbow 45 F	G7040	22	0.289
39837	VSH XPress Copper Gas elbow 45 F	G7040	28	0.431
39838	VSH XPress Copper Gas elbow 45 F	G7040	35	0.761
39839	VSH XPress Copper Gas elbow 45 F	G7040	42	1.114
39840	VSH XPress Copper Gas elbow 45 F	G7040	54	1.627
39356	VSH XPress Copper Gas elbow 45 F	G7040	66.7	3.024
39357	VSH XPress Copper Gas elbow 45 F	G7040	76.1	4.583
39354	VSH XPress Copper Gas elbow 45 FF	G7041	108	8.418
39825	VSH XPress Copper Gas elbow 45 FF	G7041	15	0.188
39823	VSH XPress Copper Gas elbow 45 FF	G7041	18	0.211
39826	VSH XPress Copper Gas elbow 45 FF	G7041	22	0.298
39827	VSH XPress Copper Gas elbow 45 FF	G7041	28	0.422
39828	VSH XPress Copper Gas elbow 45 FF	G7041	35	0.734
39829	VSH XPress Copper Gas elbow 45 FF	G7041	42	1.046
39830	VSH XPress Copper Gas elbow 45 FF	G7041	54	1.458
39351	VSH XPress Copper Gas elbow 45 FF	G7041	66.7	2.985
39352	VSH XPress Copper Gas elbow 45 FF	G7041	76.1	3.894
39844	VSH XPress Copper Gas crossover FF	G7085	15	0.449

39846	VSH XPress Copper Gas crossover FF	G7085	22	0.770
39382	VSH XPress Copper Gas T-piece reduced FFF	G7125	108x108x54	10.595
39383	VSH XPress Copper Gas T-piece reduced FFF	G7125	108x108x66.7	11.296
39384	VSH XPress Copper Gas T-piece reduced FFF	G7125	108x108x76.1	12.291
39856	VSH XPress Copper Gas T-piece reduced FFF	G7125	18x18x15	0.472
39860	VSH XPress Copper Gas T-piece reduced FFF	G7125	22x22x15	0.633
39868	VSH XPress Copper Gas T-piece reduced FFF	G7125	22x22x18	0.614
39861	VSH XPress Copper Gas T-piece reduced FFF	G7125	28x28x15	0.834
39862	VSH XPress Copper Gas T-piece reduced FFF	G7125	28x28x22	0.903
39863	VSH XPress Copper Gas T-piece reduced FFF	G7125	35x35x22	1.252
39864	VSH XPress Copper Gas T-piece reduced FFF	G7125	35x35x28	1.366
39869	VSH XPress Copper Gas T-piece reduced FFF	G7125	42x42x22	1.334
39865	VSH XPress Copper Gas T-piece reduced FFF	G7125	42x42x28	1.696
39866	VSH XPress Copper Gas T-piece reduced FFF	G7125	42x42x35	1.706
39871	VSH XPress Copper Gas T-piece reduced FFF	G7125	54x54x22	2.063
39867	VSH XPress Copper Gas T-piece reduced FFF	G7125	54x54x42	2.965
39368	VSH XPress Copper Gas T-piece reduced FFF	G7125	66.7x66.7x28	4.126
39369	VSH XPress Copper Gas T-piece reduced FFF	G7125	66.7x66.7x35	3.736
39370	VSH XPress Copper Gas T-piece reduced FFF	G7125	66.7x66.7x42	4.172
39371	VSH XPress Copper Gas T-piece reduced FFF	G7125	66.7x66.7x54	4.259
39372	VSH XPress Copper Gas T-piece reduced FFF	G7125	76.1x76.1x22	5.103
39373	VSH XPress Copper Gas T-piece reduced FFF	G7125	76.1x76.1x28	5.076
39374	VSH XPress Copper Gas T-piece reduced FFF	G7125	76.1x76.1x35	5.822
39375	VSH XPress Copper Gas T-piece reduced FFF	G7125	76.1x76.1x42	5.543
39376	VSH XPress Copper Gas T-piece reduced FFF	G7125	76.1x76.1x54	5.850
39870	VSH XPress Copper Gas T-piece reduced FFF	G7126	22x15x22	0.642
39875	VSH XPress Copper Gas T-piece reduced FFF	G7127	22x15x15	0.642
39364	VSH XPress Copper Gas T-piece FFF	G7130	108	15.273
39850	VSH XPress Copper Gas T-piece FFF	G7130	15	0.358
39847	VSH XPress Copper Gas T-piece FFF	G7130	18	0.463
39851	VSH XPress Copper Gas T-piece FFF	G7130	22	0.592
39852	VSH XPress Copper Gas T-piece FFF	G7130	28	0.862
39853	VSH XPress Copper Gas T-piece FFF	G7130	35	1.394
39854	VSH XPress Copper Gas T-piece FFF	G7130	42	1.852
39855	VSH XPress Copper Gas T-piece FFF	G7130	54	2.686
39361	VSH XPress Copper Gas T-piece FFF	G7130	66.7	5.034

39362	VSH XPress Copper Gas T-piece FFF	G7130	76.1	6.818
39334	VSH XPress Copper Gas reducer F	G7243	108x42	4.278
39335	VSH XPress Copper Gas reducer F	G7243	108x54	4.320
39337	VSH XPress Copper Gas reducer F	G7243	108x66.7	4.806
39338	VSH XPress Copper Gas reducer F	G7243	108x76.1	5.018
39761	VSH XPress Copper Gas reducer F	G7243	18x15	0.161
39750	VSH XPress Copper Gas reducer F	G7243	22x15	0.183
39762	VSH XPress Copper Gas reducer F	G7243	22x18	0.215
39751	VSH XPress Copper Gas reducer F	G7243	28x15	0.275
39763	VSH XPress Copper Gas reducer F	G7243	28x18	0.261
39752	VSH XPress Copper Gas reducer F	G7243	28x22	0.248
39753	VSH XPress Copper Gas reducer F	G7243	35x22	0.449
39754	VSH XPress Copper Gas reducer F	G7243	35x28	0.458
39755	VSH XPress Copper Gas reducer F	G7243	42x22	0.586
39756	VSH XPress Copper Gas reducer F	G7243	42x28	0.674
39757	VSH XPress Copper Gas reducer F	G7243	42x35	0.683
39760	VSH XPress Copper Gas reducer F	G7243	54x28	0.779
39758	VSH XPress Copper Gas reducer F	G7243	54x35	0.811
39759	VSH XPress Copper Gas reducer F	G7243	54x42	0.985
39319	VSH XPress Copper Gas reducer F	G7243	66.7x28	1.484
39320	VSH XPress Copper Gas reducer F	G7243	66.7x35	1.466
39321	VSH XPress Copper Gas reducer F	G7243	66.7x42	1.540
39322	VSH XPress Copper Gas reducer F	G7243	66.7x54	1.375
39323	VSH XPress Copper Gas reducer F	G7243	76.1x35	1.942
39324	VSH XPress Copper Gas reducer F	G7243	76.1x42	1.901
39325	VSH XPress Copper Gas reducer F	G7243	76.1x54	1.988
39327	VSH XPress Copper Gas reducer F	G7243	76.1x66.7	2.576
39302	VSH XPress Copper Gas straight coupling FF	G7270	66.7	1.996
39303	VSH XPress Copper Gas straight coupling FF	G7270	76.1	2.680
39305	VSH XPress Copper Gas straight coupling FF	G7270	108	5.799
39700	VSH XPress Copper Gas straight coupling FF	G7270	15	0.152
39699	VSH XPress Copper Gas straight coupling FF	G7270	18	0.179
39701	VSH XPress Copper Gas straight coupling FF	G7270	22	0.234
39702	VSH XPress Copper Gas straight coupling FF	G7270	28	0.294
39703	VSH XPress Copper Gas straight coupling FF	G7270	35	0.505
39704	VSH XPress Copper Gas straight coupling FF	G7270	42	0.716
39705	VSH XPress Copper Gas straight coupling FF	G7270	54	1.023
39307	VSH XPress Copper Gas slip coupling FF	G7270S	66.7	2.023
39308	VSH XPress Copper Gas slip coupling FF	G7270S	76.1	2.726
39310	VSH XPress Copper Gas slip coupling FF	G7270S	108	5.162
39710	VSH XPress Copper Gas slip coupling FF	G7270S	15	0.243
39709	VSH XPress Copper Gas slip coupling FF	G7270S	18	0.312
39711	VSH XPress Copper Gas slip coupling FF	G7270S	22	0.381
39712	VSH XPress Copper Gas slip coupling FF	G7270S	28	0.523

39713	VSH XPress Copper Gas slip coupling FF	G7270S	35	0.784
39714	VSH XPress Copper Gas slip coupling FF	G7270S	42	1.142
39715	VSH XPress Copper Gas slip coupling FF	G7270S	54	1.604
39393	VSH XPress Copper Gas stop end F	G7301	108	5.008
39880	VSH XPress Copper Gas stop end F	G7301	15	0.110
39878	VSH XPress Copper Gas stop end F	G7301	18	0.128
39881	VSH XPress Copper Gas stop end F	G7301	22	0.161
39882	VSH XPress Copper Gas stop end F	G7301	28	0.225
39883	VSH XPress Copper Gas stop end F	G7301	35	0.385
39884	VSH XPress Copper Gas stop end F	G7301	42	0.523
39885	VSH XPress Copper Gas stop end F	G7301	54	0.688
39390	VSH XPress Copper Gas stop end F	G7301	66.7	2.145
39391	VSH XPress Copper Gas stop end F	G7301	76.1	2.384
39281	VSH XPress Copper flange adapter PN16 coated F DN65	SG1FMF	66.7	17.761
39282	VSH XPress Copper flange adapter PN16 coated F DN80	SG1FMF	76.1	21.199
39284	VSH XPress Copper flange adapter PN16 coated F DN100	SG1FMF	108	23.980
39398	VSH XPress Copper flange adapter PN16 coated 108 DN100	SG1FMM	108xDN100 PN16	23.696
39395	VSH XPress Copper flange adapter PN16 coated 66.7 DN65	SG1FMM	66.7xDN65 PN16	17.855
39396	VSH XPress Copper flange adapter PN16 coated 76.1 DN80	SG1FMM	76.1xDN80 PN16	20.010

stainless gas

XPress stainless comprises press-fit fittings and stainless steel 316 system tube, available in sizes 15-108mm, the range is designed for use in potable water applications where water quality and hygiene are crucial.

The fittings are guaranteed for 25 years against manufacturing defects and are WRAS and DVGW approved.

VSH XPress stainless fittings have a leak before press feature. Each fitting is individually marked indicating material (green for stainless). Male ended fittings are also pre-marked with the required insertion depth.

code	name	type	size	total embodied carbon (kgCO ₂ e)*
11800	VSH xPress Stainless Gas straight coupling FF	R2701G	15	0.292
11802	VSH xPress Stainless Gas straight coupling FF	R2701G	22	0.456
11803	VSH xPress Stainless Gas straight coupling FF	R2701G	28	0.573
11804	VSH xPress Stainless Gas straight coupling FF	R2701G	35	0.800
11805	VSH xPress Stainless Gas straight coupling FF	R2701G	42	1.129
11806	VSH xPress Stainless Gas straight coupling FF	R2701G	54	1.583
20481	VSH xPress Stainless Gas straight coupling FF	R2701G	76.1	4.850
20482	VSH xPress Stainless Gas straight coupling FF	R2701G	88.9	6.515
20483	VSH xPress Stainless Gas straight coupling FF	R2701G	108	9.614
11928	VSH xPress Stainless Gas straight connector FF	R2702G	15xRp½	0.384
11930	VSH xPress Stainless Gas straight connector FF	R2702G	22xRp½	0.570

11931	VSH xPress Stainless Gas straight connector FF	R2702G	22xRp $\frac{3}{4}$	0.585
11933	VSH xPress Stainless Gas straight connector FF	R2702G	28xRp1	0.763
11934	VSH xPress Stainless Gas straight connector FF	R2702G	35xRp1 $\frac{1}{4}$	1.370
11936	VSH xPress Stainless Gas straight connector FF	R2702G	42xRp1 $\frac{1}{2}$	2.007
11937	VSH xPress Stainless Gas straight connector FF	R2702G	54xRp2	2.632
11808	VSH xPress Stainless Gas slip coupling FF	R2703G	15	0.374
11810	VSH xPress Stainless Gas slip coupling FF	R2703G	22	0.627
11811	VSH xPress Stainless Gas slip coupling FF	R2703G	28	0.841
11812	VSH xPress Stainless Gas slip coupling FF	R2703G	35	1.097
11813	VSH xPress Stainless Gas slip coupling FF	R2703G	42	1.590
11814	VSH xPress Stainless Gas slip coupling FF	R2703G	54	2.334
11914	VSH xPress Stainless Gas straight connector FM	R2705G	15xR $\frac{1}{2}$	0.384
11917	VSH xPress Stainless Gas straight connector FM	R2705G	22xR $\frac{3}{4}$	0.548
11919	VSH xPress Stainless Gas straight connector FM	R2705G	28xR1	0.852
11920	VSH xPress Stainless Gas straight connector FM	R2705G	35xR1 $\frac{1}{4}$	1.222
11923	VSH xPress Stainless Gas straight connector FM	R2705G	42xR1 $\frac{1}{2}$	1.509
11924	VSH xPress Stainless Gas straight connector FM	R2705G	54xR2	2.729
20485	VSH xPress Stainless Gas straight connector FM	R2705G	76.1xR2 $\frac{1}{2}$	6.069
20486	VSH xPress Stainless Gas straight connector FM	R2705G	88.9xR3	8.574
11849	VSH xPress Stainless Gas reducer F	R2707G	22x15	0.332
11851	VSH xPress Stainless Gas reducer F	R2707G	28x15	0.413
11853	VSH xPress Stainless Gas reducer F	R2707G	28x22	0.480
11854	VSH xPress Stainless Gas reducer F	R2707G	35x22	0.679
11855	VSH xPress Stainless Gas reducer F	R2707G	35x28	0.634
11856	VSH xPress Stainless Gas reducer F	R2707G	42x28	1.033
11857	VSH xPress Stainless Gas reducer F	R2707G	42x35	0.884
11858	VSH xPress Stainless Gas reducer F	R2707G	54x28	1.427
11859	VSH xPress Stainless Gas reducer F	R2707G	54x35	1.479
11860	VSH xPress Stainless Gas reducer F	R2707G	54x42	1.323
20491	VSH xPress Stainless Gas reducer F	R2707G	76.1x42	3.377
20492	VSH xPress Stainless Gas reducer F	R2707G	76.1x54	3.541
20493	VSH xPress Stainless Gas reducer F	R2707G	88.9x54	4.321
20494	VSH xPress Stainless Gas reducer F	R2707G	88.9x76.1	5.228
20495	VSH xPress Stainless Gas reducer F	R2707G	108x54	6.465
20496	VSH xPress Stainless Gas reducer F	R2707G	108x76.1	7.194
20497	VSH xPress Stainless Gas reducer F	R2707G	108x88.9	7.744
11816	VSH xPress Stainless Gas bend 90 FF	R2708G	15	0.419
11818	VSH xPress Stainless Gas bend 90 FF	R2708G	22	0.753
11819	VSH xPress Stainless Gas bend 90 FF	R2708G	28	1.057
11820	VSH xPress Stainless Gas bend 90 FF	R2708G	35	1.462
11821	VSH xPress Stainless Gas bend 90 FF	R2708G	42	2.498
11822	VSH xPress Stainless Gas bend 90 FF	R2708G	54	3.896

20501	VSH xPress Stainless Gas bend 90 FF	R2708G	76.1	7.862
20502	VSH xPress Stainless Gas bend 90 FF	R2708G	88.9	10.523
20503	VSH xPress Stainless Gas bend 90 FF	R2708G	108	15.949
11950	VSH xPress Stainless Gas angle adapter 90 FF	R2709G	15xRp½	0.830
11952	VSH xPress Stainless Gas angle adapter 90 FF	R2709G	22xRp¾	1.336
11953	VSH xPress Stainless Gas angle adapter 90 FF	R2709G	28xRp1	2.443
11824	VSH xPress Stainless Gas bend 90 F	R2711G	15x15	0.429
11826	VSH xPress Stainless Gas bend 90 F	R2711G	22x22	0.726
11827	VSH xPress Stainless Gas bend 90 F	R2711G	28x28	1.090
11828	VSH xPress Stainless Gas bend 90 F	R2711G	35x35	1.482
11829	VSH xPress Stainless Gas bend 90 F	R2711G	42x42	2.453
11830	VSH xPress Stainless Gas bend 90 F	R2711G	54x54	3.747
20505	VSH xPress Stainless Gas bend 90 F	R2711G	76.1x76.1	8.032
20506	VSH xPress Stainless Gas bend 90 F	R2711G	88.9x88.9	10.493
20507	VSH xPress Stainless Gas bend 90 F	R2711G	108x108	16.021
11840	VSH xPress Stainless Gas bend 45 F	R2712G	15x15	0.369
11842	VSH xPress Stainless Gas bend 45 F	R2712G	22x22	0.629
11843	VSH xPress Stainless Gas bend 45 F	R2712G	28x28	0.867
11844	VSH xPress Stainless Gas bend 45 F	R2712G	35x35	1.185
11845	VSH xPress Stainless Gas bend 45 F	R2712G	42x42	1.963
11846	VSH xPress Stainless Gas bend 45 F	R2712G	54x54	2.714
20516	VSH xPress Stainless Gas bend 45 F	R2712G	76.1x76.1	6.188
20517	VSH xPress Stainless Gas bend 45 F	R2712G	88.9x88.9	8.284
20518	VSH xPress Stainless Gas bend 45 F	R2712G	108x108	12.273
11832	VSH xPress Stainless Gas bend 45 FF	R2713G	15	0.359
11834	VSH xPress Stainless Gas bend 45 FF	R2713G	22	0.597
11835	VSH xPress Stainless Gas bend 45 FF	R2713G	28	0.871
11836	VSH xPress Stainless Gas bend 45 FF	R2713G	35	1.187
11837	VSH xPress Stainless Gas bend 45 FF	R2713G	42	1.873
11838	VSH xPress Stainless Gas bend 45 FF	R2713G	54	2.728
20511	VSH xPress Stainless Gas bend 45 FF	R2713G	76.1	6.159
20512	VSH xPress Stainless Gas bend 45 FF	R2713G	88.9	8.277
20513	VSH xPress Stainless Gas bend 45 FF	R2713G	108	12.469
11865	VSH xPress Stainless Gas T-piece FFF	R2714G	15	0.520
11867	VSH xPress Stainless Gas T-piece FFF	R2714G	22	0.825
11868	VSH xPress Stainless Gas T-piece FFF	R2714G	28	1.098
11869	VSH xPress Stainless Gas T-piece FFF	R2714G	35	1.390
11870	VSH xPress Stainless Gas T-piece FFF	R2714G	42	2.021
11871	VSH xPress Stainless Gas T-piece FFF	R2714G	54	3.055
20521	VSH xPress Stainless Gas T-piece FFF	R2714G	76.1	9.521
20522	VSH xPress Stainless Gas T-piece FFF	R2714G	88.9	12.576
20523	VSH xPress Stainless Gas T-piece FFF	R2714G	108	17.983
11873	VSH xPress Stainless Gas T-piece reduced FFF	R2715G	22x22x15	0.721
11875	VSH xPress Stainless Gas T-piece reduced FFF	R2715G	28x28x15	0.957
11877	VSH xPress Stainless Gas T-piece reduced FFF	R2715G	28x28x22	1.032
11878	VSH xPress Stainless Gas T-piece reduced FFF	R2715G	35x35x15	1.206
11880	VSH xPress Stainless Gas T-piece reduced FFF	R2715G	35x35x22	1.266

11881	VSH xPress Stainless Gas T-piece reduced FFF	R2715G	35x35x28	1.377
11882	VSH xPress Stainless Gas T-piece reduced FFF	R2715G	42x42x22	1.759
11883	VSH xPress Stainless Gas T-piece reduced FFF	R2715G	42x42x28	1.766
11884	VSH xPress Stainless Gas T-piece reduced FFF	R2715G	42x42x35	1.905
11885	VSH xPress Stainless Gas T-piece reduced FFF	R2715G	54x54x22	2.592
11886	VSH xPress Stainless Gas T-piece reduced FFF	R2715G	54x54x28	2.569
11887	VSH xPress Stainless Gas T-piece reduced FFF	R2715G	54x54x35	2.716
11888	VSH xPress Stainless Gas T-piece reduced FFF	R2715G	54x54x42	2.713
20528	VSH xPress Stainless Gas T-piece reduced FFF	R2715G	76.1x76.1x22	7.599
20529	VSH xPress Stainless Gas T-piece reduced FFF	R2715G	76.1x76.1x28	7.702
20530	VSH xPress Stainless Gas T-piece reduced FFF	R2715G	76.1x76.1x35	7.842
20531	VSH xPress Stainless Gas T-piece reduced FFF	R2715G	76.1x76.1x42	7.876
20532	VSH xPress Stainless Gas T-piece reduced FFF	R2715G	76.1x76.1x54	7.869
20533	VSH xPress Stainless Gas T-piece reduced FFF	R2715G	88.9x88.9x22	10.059
20534	VSH xPress Stainless Gas T-piece reduced FFF	R2715G	88.9x88.9x28	9.947
20535	VSH xPress Stainless Gas T-piece reduced FFF	R2715G	88.9x88.9x35	10.034
20536	VSH xPress Stainless Gas T-piece reduced FFF	R2715G	88.9x88.9x42	10.292
20537	VSH xPress Stainless Gas T-piece reduced FFF	R2715G	88.9x88.9x54	10.478
20538	VSH xPress Stainless Gas T-piece reduced FFF	R2715G	108x108x22	13.545
20539	VSH xPress Stainless Gas T-piece reduced FFF	R2715G	108x108x28	14.258
20540	VSH xPress Stainless Gas T-piece reduced FFF	R2715G	108x108x35	13.386
20541	VSH xPress Stainless Gas T-piece reduced FFF	R2715G	108x108x42	14.789
20542	VSH xPress Stainless Gas T-piece reduced FFF	R2715G	108x108x54	14.462
11957	VSH xPress Stainless Gas wall plate FF	R2716G	15xRp½	0.771
11900	VSH xPress Stainless Gas T-piece threaded FFF	R2718G	15x15xRp½	0.612
11903	VSH xPress Stainless Gas T-piece threaded FFF	R2718G	22x22xRp½	0.865
11904	VSH xPress Stainless Gas T-piece threaded FFF	R2718G	22x22xRp¾	0.969
11905	VSH xPress Stainless Gas T-piece threaded FFF	R2718G	28x28xRp½	1.064
11907	VSH xPress Stainless Gas T-piece threaded FFF	R2718G	35x35xRp½	1.313
11908	VSH xPress Stainless Gas T-piece threaded FFF	R2718G	35x35xRp¾	1.395
11909	VSH xPress Stainless Gas T-piece threaded FFF	R2718G	42x42xRp½	1.880
11910	VSH xPress Stainless Gas T-piece threaded FFF	R2718G	54x54xRp½	2.676
11912	VSH xPress Stainless Gas T-piece threaded FFF	R2718G	54x54xRp2	3.873
11911	VSH xPress Stainless Gas T-piece threaded FFF	R2718G	54x54xRp¾	2.691
20551	VSH xPress Stainless Gas T-piece female thread FFF	R2718G	76.1x76.1xRp¾	7.445
20552	VSH xPress Stainless Gas T-piece female thread FFF	R2718G	76.1x76.1xRp2	8.821
20553	VSH xPress Stainless Gas T-piece female thread FFF	R2718G	88.9x88.9xRp¾	10.174
20554	VSH xPress Stainless Gas T-piece female thread FFF	R2718G	88.9x88.9xRp2	11.460
20555	VSH xPress Stainless Gas T-piece female thread FFF	R2718G	108x108xRp¾	14.715
20556	VSH xPress Stainless Gas T-piece female thread FFF	R2718G	108x108xRp2	15.592
20475	VSH xPress Stainless Gas flange adapter	R2726G	76.1xDN65 PN16	26.340

20476	VSH xPress Stainless Gas flange adapter	R2726G	88.9xDN80 PN16	32.266
20477	VSH xPress Stainless Gas flange adapter	R2726G	108xDN100 PN16	38.968
11942	VSH xPress Stainless Gas angle adapter 90 FM	R2728G	22xR¾	1.076
11980	VSH xPress Stainless Gas stop end F	R2729G	15	0.206
11982	VSH xPress Stainless Gas stop end F	R2729G	22	0.325
11983	VSH xPress Stainless Gas stop end F	R2729G	28	0.465
11984	VSH xPress Stainless Gas stop end F	R2729G	35	0.597
11985	VSH xPress Stainless Gas stop end F	R2729G	42	0.877
11986	VSH xPress Stainless Gas stop end F	R2729G	54	1.346

tools and accessories

Joints in the VSH XPress system are made by compressing the fitting onto the tube with an appropriate press-fit tool. These are available in 110V and 240V mains, and cordless to suit most site installations.

A full range of press-fit jaws, slings and adaptors, along with all of the relevant accessories required, are available to ensure that every installation option is covered.

A variety of VSH XPress accessories complement the range, including replacement O-rings, lubricants, tube strippers, a deburring tool, depth gauges and a tube preparation kit.

code	name	type	size	total embodied carbon (kgCO ₂ e)*
Coming soon!				

valves

Pegler valves combine with VSH XPress fittings in order to deliver a seamless integrated piping system for press-fit connection.

A wide selection of valves are available including dynamic and static balancing valves, gate valves, ball valves, check valves, strainers, thermal circulation valves and pressure reducing valves.

code	name	type	size	total embodied carbon (kgCO ₂ e)*
Coming soon!				

fullflow

FullFlow ball valves compliment the XPress system. A streamline design that introduces a full bore valve within a streamline fitting. Made of galvanised steel, they are suitable for HVAC applications

code	name	type	size	total embodied carbon (kgCO ₂ e)*
Coming soon!				

* Embodied carbon calculated following 'Basic' calculation method described in CIBSE (2021)
Embodied carbon in building services: a calculation methodology CIBSE TM65: 2021 (Hampshire:

Hobbs the Printers Ltd) using CIBSE (2022) Embodied Carbon Calculator TM65 Digital Tool beta version 1.1 January 2022 (London: Chartered Institution of Building Services Engineers)