# HYBRID ADAPTERS



LewVac hybrid adapter fittings allow vacuum users to connect two dissimilar vacuum flanges or a vacuum flange to a fitting used in conjunction with vacuum process (Swagelok®, VCR®, BSP). To minimize the effect this transition fitting has on conductance, hybrid adapters are generally designed with the shortest length and with the largest inner diameter possible.

Please note that hybrid adapters are not used to change sizes within one flange family. Fittings used to connect two differently sized flanges from within the same flange family are called reducing nipples. These fittings can be found in the catalogue section for that specific flange family.

## Specifications

- Vacuum rating:
  - UHV hybrid adapters: CF to Swagelok® or CF to VCR®.
  - HV hybrid adapters: All flanges and fittings that include an elastomer seal.
  - Leak Rating < $1x10^{-9}$ std. cc/s helium.
- Temperature range:
  - Metal seal flanges and fittings: -200°Cup to 450°C.
  - Elastomer seal flanges and fittings -20°C up to 150°C.
- Materials:
  - Flanges and Fittings: 304 stainless steel as standard.
  - Other materials available on request.
  - Flange seals: see the catalog section for that specific flange for its sealing options.
  - Fitting seals: Copper as standard for CF flanges, Viton® or nitrile as standard for KF & LF flanges. (VCR® seals are not included with the assembly).

## Features

- Adapt from one family of vacuum flanges or fittings to another.
- Allows connection of vacuum flanges to non-vacuum fittings.
- Wide variety of design options to meet your application needs.
- Other fittings available upon request.

All dimensions are nominal in millimetres unless otherwise specified

Hybrid Adapters

## CF To KF & LF Straight Adapters



We list here a range of adapters between flange types.
We cannot list all variations, so if you don't see what you need, please call our sales office.

| Flange 1 | Flange 2 | Fig. | Tube OD | L | Part Code | Price £ | Price € |
|---|---|---|---|---|---|---|---|
| DN16CF | DN10KF | 1 | 12.7 | 43.0 | FL-16CF-10KF | £33 | €38 |
| DN16CF | DN16KF | 1 | 19.1 | 43.0 | FL-16CF-16KF | £38 | €44 |
| DN16CF | DN25KF | 1 | 19.1 | 43.0 | FL-16CF-25KF | £37 | €43 |
| DN16CF | DN40KF | 1 | 19.1 | 41.9 | FL-16CF-40KF | £36 | €42 |
| DN40CF | DN10KF | 1 | 12.7 | 45.3 | FL-40CF-10KF | £35 | €41 |
| DN40CF | DN16KF | 1 | 19.1 | 45.3 | FL-40CF-16KF | £37 | €43 |
| DN40CF | DN25KF | 1 | 25.4 | 45.3 | FL-40CF-25KF | £41 | €48 |
| DN40CF | DN40KF | 1 | 38.1 | 45.3 | FL-40CF-40KF | £41 | €48 |
| DN40CF | DN50KF | 1 | 38.1 | 45.3 | FL-40CF-50KF | £44 | €51 |
| DN40CF | DN63LF | 2 | 38.1 | 49.5 | FL-40CF-63LF | £61 | €71 |
| DN40CF | DN100LF | 2 | 38.1 | 90.0 | FL-40CF-100LF | £81 | €94 |
| DN63CF | DN25KF | 1 | 25.4 | 49.5 | FL-63CF-25KF | £85 | €98 |
| DN63CF | DN40KF | 1 | 38.1 | 49.5 | FL-63CF-40KF | £89 | €103 |
| DN63CF | DN50KF | 1 | 50.8 | 49.5 | FL-63CF-50KF | £89 | €103 |
| DN63CF | DN63LF | 2 | 63.5 | 90.0 | FL-63CF-63LF | £131 | €151 |
| DN63CF | DN100LF | 2 | 70.0 | 90.0 | FL-63CF-100LF | £154 | €178 |
| DN100CF | DN25KF | 1 | 25.4 | 90.0 | FL-100CF-25KF | £130 | €150 |
| DN100CF | DN40KF | 1 | 38.1 | 90.0 | FL-100CF-40KF | £136 | €157 |
| DN100CF | DN50KF | 1 | 50.8 | 90.0 | FL-100CF-50KF | POA | POA |
| DN100CF | DN63LF | 2 | 63.5 | 90.0 | FL-100CF-63LF | £153 | €176 |
| DN100CF | DN100LF | 2 | 101.6 | 90.0 | FL-100CF-100LF | £172 | €198 |
| DN100CF | DN160LF | 2 | 101.6 | 90.0 | FL-100CF-160LF | £197 | €227 |
| DN160CF | DN40KF | 1 | 38.1 | 90.0 | FL-160CF-40KF | POA | POA |
| DN160CF | DN50KF | 1 | 50.8 | 90.0 | FL-160CF-50KF | POA | POA |
| DN160CF | DN63LF | 2 | 63.5 | 90.0 | FL-160CF-63LF | £203 | €234 |
| DN160CF | DN100LF | 2 | 101.6 | 90.0 | FL-160CF-100LF | £211 | €243 |
| DN160CF | DN160LF | 2 | 152.4 | 90.0 | FL-160CF-160LF | £249 | €287 |
| DN160CF | DN200LF | 2 | 152.4 | 90.0 | FL-160CF-200LF | £274 | €316 |
| DN200CF | DN40KF | 1 | 38.1 | 50.0 | FL-200CF-40KF | POA | POA |
| DN200CF | DN50KF | 1 | 50.8 | 50.0 | FL-200CF-50KF | POA | POA |
| DN200CF | DN63LF | 2 | 63.5 | 90.0 | FL-200CF-63LF | POA | POA |
| DN200CF | DN100LF | 2 | 101.6 | 90.0 | FL-200CF-100LF | POA | POA |
| DN200Cf | DN160LF | 2 | 154.0 | 90.0 | FL-200CF-160LF | POA | POA |
| DN200CF | DN200LF | 2 | 204.0 | 110.0 | FL-200CF-200LF | POA | POA |
| DN200CF | DN250LF | 2 | 204.0 | 110.0 | FL-200CF-250LF | POA | POA |
| DN250CF | DN40KF | 1 | 38.1 | 50.0 | FL-250CF-40KF | POA | POA |
| DN250CF | DN50KF | 1 | 50.8 | 50.0 | FL-250CF-50KF | POA | POA |
| DN250CF | DN63LF | 2 | 63.5 | 90.0 | FL-250CF-63LF | POA | POA |
| DN250CF | DN100LF | 2 | 101.6 | 90.0 | FL-250CF-100LF | POA | POA |
| DN250CF | DN160LF | 2 | 154.0 | 90.0 | FL-250CF-160LF | POA | POA |
| DN250CF | DN200LF | 2 | 204.0 | 110.0 | FL250CF-200LF | POA | POA |
| DN250CF | DN250LF | 2 | 254.0 | 110.0 | FL-250CF-250LF | £565 | €650 |

Fig. 1.

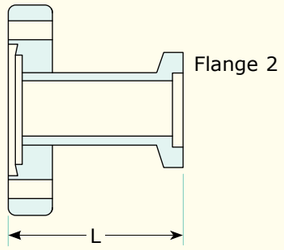
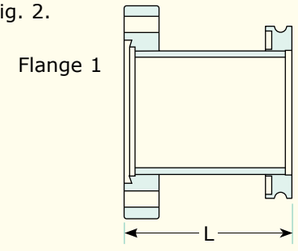



Fig. 2.




All dimensions are nominal in millimetres unless otherwise specified



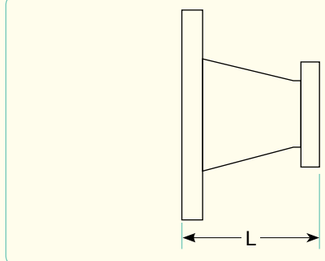




## CF To KF & LF Conical Adapters



| Flange 1 | Flange 2 | L | Part Code | Price £ | Price € |
|---|---|---|---|---|---|
| DN16CF | DN25KF | 43.0 | FL-C16CF-25KF | £52 | €60 |
| DN16CF | DN40KF | 69.0 | FL-C16CF-40KF | £55 | €64 |
| DN40CF | DN16KF | 69.0 | FL-C40CF-16KF | £62 | €72 |
| DN40CF | DN25KF | 69.0 | FL-C40CF-25KF | £65 | €75 |
| DN40CF | DN50KF | 69.0 | FL-C40CF-50KF | £66 | €76 |
| DN40CF | DN63LF | 72.0 | FL-C40CF-63LF | £106 | €122 |
| DN40CF | DN80LF | 103.0 | FL-C40CF-80LF | £134 | €155 |
| DN63CF | DN40KF | 74.0 | FL-C63CF-40KF | £110 | €127 |
| DN63CF | DN50KF | 74.0 | FL-C63CF-50KF | £135 | €156 |
| DN63CF | DN80LF | 108.0 | FL-C63CF-80LF | £169 | €195 |
| DN63CF | DN100LF | 108.0 | FL-C63CF-100LF | £181 | €209 |
| DN100CF | DN50KF | 107.0 | FL-C100CF-50KF | £134 | €155 |
| DN100CF | DN63LF | 110.0 | FL-C100CF-63LF | £173 | €199 |
| DN100CF | DN80LF | 110.0 | FL-C100CF-80LF | £196 | €226 |




All dimensions are nominal in millimetres unless otherwise specified

Hose Adapters

## Rubber Hose To Flange Adapters - Aluminium



| Flange | Fig. | A | B | Part Code | Price £ | Price € |
|---|---|---|---|---|---|---|
| DN16KF | 1 | 12.0 | 40.0 | FL-RHA16KF | £12 | €14 |
| DN16KF | 2 | 16.0 | 41.9 | FL-RHA16KF-16 | £15 | €18 |
| DN16KF | 2 | 19.1 | 41.9 | FL-RHA16KF-19 | £15 | €18 |
| DN25KF | 1 | 12.0 | 40.0 | FL-RHA25KF | £13 | €15 |
| DN25KF | 2 | 16.0 | 41.9 | FL-RHA25KF-16 | £22 | €26 |
| DN25KF | 2 | 22.4 | 43.9 | FL-RHA25KF-22 | £17 | €20 |
| DN40KF | 1 | 12.0 | 40.0 | FL-RHA40KF | £15 | €18 |
| DN40KF | 2 | 41.4 | 55.1 | FL-RHA40KF-41 | £23 | €27 |
| DN50KF | 2 | 41.4 | 55.1 | FL-RHA50KF-41 | £30 | €35 |

## Rubber Hose To Flange Adapters - Stainless Steel

| Flange | Fig. | A | B | Part Code | Price £ | Price € |
|---|---|---|---|---|---|---|
| DN10KF | 1 | 12.0 | 40.0 | FL-RHA10KF-SS | £13 | €15 |
| DN16KF | 1 | 12.0 | 40.0 | FL-RHA16KF-SS | £13 | €15 |
| DN25KF | 1 | 12.0 | 40.0 | FL-RHA25KF-SS | £16 | €19 |
| DN40KF | 1 | 12.0 | 40.0 | FL-RHA40KF-SS | £21 | €25 |

## PVC Hose To Flange Adapters - Stainless Steel



| Flange | Fig. | A | B | C | Part Code | Price £ | Price € |
|---|---|---|---|---|---|---|---|
| DN10KF | 3 | 12.7 | 32.0 | 20.1 | FL-PHA10KF-12 | POA | POA |
| DN16KF | 3 | 12.7 | 32.0 | 20.1 | FL-PHA16KF-12 | £23 | €27 |
| DN16KF | 3 | 19.1 | 32.0 | 20.1 | FL-PHA16KF-19 | £23 | €27 |
| DN25KF | 3 | 25.4 | 38.1 | 25.9 | FL-PHA25KF-25 | £28 | €33 |
| DN40KF | 3 | 38.1 | 50.0 | 38.1 | FL-PHA40KF-38 | £32 | €37 |
| DN50KF | 3 | 50.8 | 55.1 | 40.9 | FL-PHA50KF-50 | £36 | €42 |

Fig. 1.

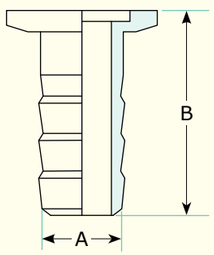



Fig. 2.

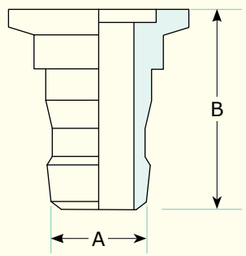
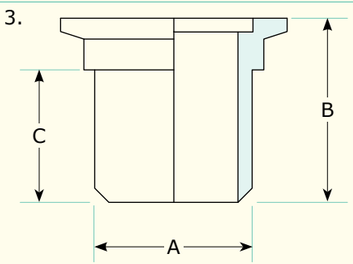



Fig. 3.




All dimensions are nominal in millimetres unless otherwise specified

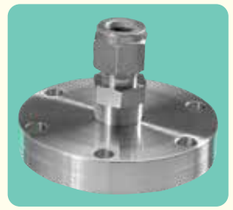






Swagelok® Adapters

## Swagelok® To Flange Adapters





- Other sizes also available.
- Multiple fittings can be mounted onto individual flanges if required.

| Flange | Swagelok® size | Fig. | A | Part Code | Price £ | Price € |
|---|---|---|---|---|---|---|
| DN16CF | 1/4 Inch | 1 | 36.0 | FL-SWG25-16CF | £50 | €58 |
| DN40CF | 1/4 Inch | 1 | 39.0 | FL-SWG25-40CF | £55 | €64 |
| DN16CF | 1/2 Inch | 1 | 43.0 | FL-SWG50-16CF | £61 | €71 |
| DN40CF | 1/2 Inch | 1 | 43.0 | FL-SWG50-40CF | £108 | €125 |
| DN40CF | 3/4 Inch | 1 | 44.5 | FL-SWG75-40CF | POA | POA |
| DN10KF | 1/4 Inch | 2 | 36.0 | FL-SWG25-10KF | £38 | €44 |
| DN16KF | 1/4 Inch | 2 | 36.0 | FL-SWG25-16KF | £38 | €44 |
| DN25KF | 1/4 Inch | 2 | 36.0 | FL-SWG25-25KF | £39 | €45 |
| DN40KF | 1/4 Inch | 2 | 36.0 | FL-SWG25-40KF | £43 | €50 |
| DN50KF | 1/4 Inch | 2 | 36.0 | FL-SWG25-50KF | £42 | €49 |
| DN16KF | 1/2 Inch | 2 | 45.0 | FL-SWG50-16KF | £66 | €76 |
| DN25KF | 1/2 Inch | 2 | 52.0 | FL-SWG50-25KF | £69 | €80 |
| DN40KF | 1/2 Inch | 2 | 52.0 | FL-SWG50-40KF | £97 | €112 |
| DN50KF | 1/2 Inch | 2 | 52.0 | FL-SWG50-50KF | POA | POA |
| DN40KF | 3/4 Inch | 2 | 53.0 | FL-SWG75-40KF | POA | POA |
| DN50KF | 3/4 Inch | 2 | 53.0 | FL-SWG75-50KF | POA | POA |
| DN40KF | 1 Inch | 2 | 62.0 | FL-SWG100-40KF | POA | POA |
| DN50KF | 1 Inch | 2 | 62.0 | FL-SWG100-50KF | POA | POA |
| DN16CF | 6mm | 1 | 34.0 | FL-SWG6M-16CF | £60 | €69 |
| DN40CF | 6mm | 1 | 36.0 | FL-SWG6M-40CF | £63 | €73 |
| DN16CF | 8mm | 1 | 40.0 | FL-SWG8M-16CF | £65 | €75 |
| DN40CF | 8mm | 1 | 40.0 | FL-SWG8M-40CF | £77 | €89 |
| DN16CF | 10mm | 1 | 43.5 | FL-SWG10M-16CF | £87 | €101 |
| DN40CF | 10mm | 1 | 45.0 | FL-SWG10M-40CF | £107 | €124 |
| DN16CF | 12mm | 1 | 47.0 | FL-SWG12M-16CF | £89 | €103 |
| DN40CF | 12mm | 1 | 47.0 | FL-SWG12M-40CF | £90 | €104 |
| DN16KF | 6mm | 2 | 36.0 | FL-SWG6M-16KF | £50 | €58 |
| DN25KF | 6mm | 2 | 36.0 | FL-SWG6M-25KF | £52 | €60 |
| DN40KF | 6mm | 2 | 36.0 | FL-SWG6M-40KF | £54 | €63 |
| DN16KF | 8mm | 2 | 42.0 | FL-SWG8M-16KF | £56 | €65 |
| DN25KF | 8mm | 2 | 42.0 | FL-SWG8M-25KF | £58 | €67 |
| DN40KF | 8mm | 2 | 42.0 | FL-SWG8M-40KF | £60 | €69 |
| DN16KF | 10mm | 2 | 44.0 | FL-SWG10M-16KF | £64 | €74 |
| DN25KF | 10mm | 2 | 44.0 | FL-SWG10M-25KF | £66 | €76 |
| DN40KF | 10mm | 2 | 44.0 | FL-SWG10M-40KF | £72 | €83 |
| DN16KF | 12mm | 2 | 45.0 | FL-SWG12M-16KF | £84 | €97 |
| DN25KF | 12mm | 2 | 45.0 | FL-SWG12M-25KF | £85 | €98 |
| DN40KF | 12mm | 2 | 45.0 | FL-SWG12M-40KF | £86 | €99 |

Fig. 1.

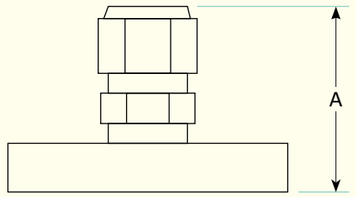
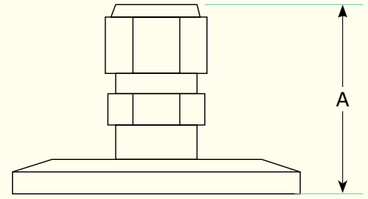



Fig. 2.




All dimensions are nominal in millimetres unless otherwise specified

VCR® Adapters

## VCR® Male To Flange Adapters





| Flange | VCR® size | Fig. | A | Part Code | Price £ | Price € |
|---|---|---|---|---|---|---|
| DN16CF | 1/4 Inch | 1 | 35.0 | FL-VCR25-16CF | £84 | €97 |
| DN40CF | 1/4 Inch | 1 | 38.0 | FL-VCR25-40CF | £95 | €110 |
| DN16CF | 1/2 Inch | 1 | 45.0 | FL-VCR50-16CF | POA | POA |
| DN40CF | 1/2 Inch | 1 | 45.0 | FL-VCR50-40CF | £111 | €128 |
| DN40CF | 3/4 Inch | 1 | 530 | FL-VCR75-40CF | £210 | €242 |
| DN16KF | 1/4 Inch | 2 | 35.0 | FL-VCR25-16KF | £65 | €75 |
| DN25KF | 1/4 Inch | 2 | 35.0 | FL-VCR25-25KF | £69 | €80 |
| DN40KF | 1/4 Inch | 2 | 35.0 | FL-VCR25-40KF | £76 | €88 |
| DN50KF | 1/4 Inch | 2 | 35.0 | FL-VCR25-50KF | £83 | €96 |
| DN16KF | 1/2 Inch | 2 | 40.6 | FL-VCR50-16KF | £101 | €117 |
| DN25KF | 1/2 Inch | 2 | 40.6 | FL-VCR50-25KF | £94 | €109 |
| DN40KF | 1/2 Inch | 2 | 40.6 | FL-VCR50-40KF | £100 | €115 |
| DN50KF | 1/2 Inch | 2 | 40.6 | FL-VCR50-50KF | £104 | €120 |
| DN40KF | 3/4 Inch | 2 | 54.0 | FL-VCR75-40KF | £139 | €160 |
| DN50KF | 3/4 Inch | 2 | 54.0 | FL-VCR75-50KF | £144 | €166 |
| DN40KF | 1 Inch | 2 | 62.0 | FL-VCR100-40KF | £160 | €184 |
| DN50KF | 1 Inch | 2 | 62.0 | FL-VCR100-50KF | £165 | €190 |

## VCR® Female To Flange Adapters





| Flange | VCR® size | Fig. | A | Part Code | Price £ | Price € |
|---|---|---|---|---|---|---|
| DN16CF | 1/4 Inch | 3 | 35.0 | FL-VCRF25-16CF | £82 | €95 |
| DN40CF | 1/4 Inch | 3 | 39.0 | FL-VCRF25-40CF | £93 | €107 |
| DN16CF | 1/2 Inch | 3 | 45.0 | FL-VCRF50-16CF | POA | POA |
| DN40CF | 1/2 Inch | 3 | 45.0 | FL-VCRF50-40CF | £111 | €128 |
| DN40CF | 3/4 Inch | 3 | 53.0 | FL-VCRF75-40CF | £106 | €122 |
| DN16KF | 1/4 Inch | 4 | 36.0 | FL-VCRF25-16KF | £65 | €75 |
| DN25KF | 1/4 Inch | 4 | 36.0 | FL-VCRF25-25KF | £69 | €80 |
| DN40KF | 1/4 Inch | 4 | 36.0 | FL-VCRF25-40KF | £76 | €88 |
| DN50KF | 1/4 Inch | 4 | 36.0 | FL-VCRF25-50KF | £101 | €117 |
| DN16KF | 1/2 Inch | 4 | 40.6 | FL-VCRF50-16KF | £97 | €112 |
| DN25KF | 1/2 Inch | 4 | 40.6 | FL-VCRF50-25KF | £95 | €110 |
| DN40KF | 1/2 Inch | 4 | 40.6 | FL-VCRF50-40KF | £99 | €114 |
| DN50KF | 1/2 Inch | 4 | 40.6 | FL-VCRF50-50KF | £103 | €119 |
| DN40KF | 3/4 Inch | 4 | 54.0 | FL-VCRF75-40KF | £139 | €160 |
| DN50KF | 3/4 Inch | 4 | 54.0 | FL-VCRF75-50KF | £144 | €166 |
| DN40KF | 1 Inch | 4 | 62.0 | FL-VCRF100-40KF | £160 | €184 |
| DN50KF | 1 Inch | 4 | 62.0 | FL-VCRF100-50KF | £165 | €190 |

Fig. 1.

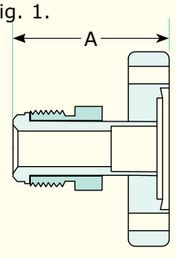



Fig. 2.

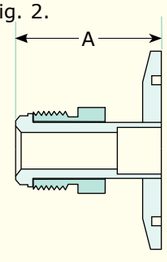



Fig. 3.

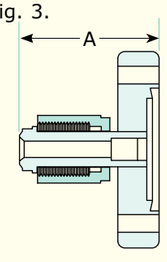
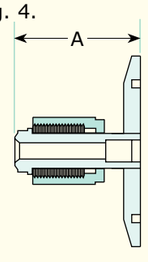



Fig. 4.




All dimensions are nominal in millimetres unless otherwise specified







BSP Adapters

## BSP Male To Flange Adapters



Tapered BSP threads are used as standard. Non-tapered BSP threads available upon request.

| Flange | BSP size | Fig. | A | Part Code | Price £ | Price € |
|---|---|---|---|---|---|---|
| DN10KF | 1/8 Inch | 1 | 35 | FL-10KF-1/8BSPM | £26 | €30 |
| DN16KF | 1/8 Inch | 1 | 35 | FL-16KF-1/8BSPM | £26 | €30 |
| DN25KF | 1/8 Inch | 1 | 35 | FL-25KF-1/8BSPM | £27 | €32 |
| DN40KF | 1/8 Inch | 1 | 35 | FL-40KF-1/8BSPM | £35 | €41 |
| DN50KF | 1/8 Inch | 1 | 35 | FL-50KF-1/8BSPM | £38 | €44 |
| DN10KF | 1/4 Inch | 1 | 35 | FL-10KF-1/4BSPM | £26 | €30 |
| DN16KF | 1/4 Inch | 1 | 35 | FL-16KF-1/4BSPM | £26 | €30 |
| DN25KF | 1/4 Inch | 1 | 35 | FL-25KF-1/4BSPM | £28 | €33 |
| DN40KF | 1/4 Inch | 1 | 35 | FL-40KF-1/4BSPM | £35 | €41 |
| DN50KF | 1/4 Inch | 1 | 35 | FL-50KF-1/4BSPM | £39 | €45 |
| DN25KF | 3/8 Inch | 1 | 35 | FL-25KF-3/8BSPM | £33 | €38 |
| DN25KF | 1/2 Inch | 1 | 40 | FL-25KF-1/2BSPM | £26 | €30 |
| DN25KF | 1 Inch | 1 | 40 | FL-25KF-1BSPM | £26 | €30 |
| DN40KF | 1/2 Inch | 1 | 40 | FL-40KF-1/2BSPM | £36 | €42 |
| DN50KF | 1/2 Inch | 1 | 40 | FL-50KF-1/2BSPM | £43 | €50 |
| DN25KF | 3/4 Inch | 1 | 40 | FL-25KF-3/4BSPM | £33 | €38 |
| DN40KF | 3/4 Inch | 1 | 40 | FL-40KF-3/4BSPM | £37 | €43 |
| DN50KF | 3/4 Inch | 1 | 40 | FL-50KF-3/4BSPM | £44 | €51 |
| DN40KF | 1 Inch | 1 | 45 | FL-40KF-1BSPM | £42 | €49 |
| DN50KF | 1 Inch | 1 | 45 | FL-50KF-1BSPM | £44 | €51 |

## BSP Female To Flange Adapters



Tapered BSP threads are used as standard. Non-tapered BSP threads available upon request.

| Flange | BSP size | Fig. | A | Part Code | Price £ | Price € |
|---|---|---|---|---|---|---|
| DN10KF | 1/8 Inch | 2 | 35 | FL-10KF-1/8BSPF | £29 | €34 |
| DN16KF | 1/8 Inch | 2 | 35 | FL-16KF-1/8BSPF | £25 | €29 |
| DN25KF | 1/8 Inch | 2 | 35 | FL-25KF-1/8BSPF | £28 | €33 |
| DN40KF | 1/8 Inch | 2 | 35 | FL-40KF-1/8BSPF | £35 | €41 |
| DN50KF | 1/8 Inch | 2 | 35 | FL-50KF-1/8BSPF | £38 | €44 |
| DN10KF | 1/4 Inch | 2 | 35 | FL-10KF-1/4BSPF | £29 | €34 |
| DN16KF | 1/4 Inch | 2 | 35 | FL-16KF-1/4BSPF | £25 | €29 |
| DN25KF | 1/4 Inch | 2 | 35 | FL-25KF-1/4BSPF | £28 | €33 |
| DN40KF | 1/4 Inch | 2 | 35 | FL-40KF-1/4BSPF | £35 | €41 |
| DN50KF | 1/4 Inch | 2 | 35 | FL-50KF-1/4BSPF | £39 | €45 |
| DN25KF | 1/2 Inch | 2 | 40 | FL-25KF-1/2BSPF | £30 | €35 |
| DN40KF | 1/2 Inch | 2 | 40 | FL-40KF-1/2BSPF | £50 | €58 |
| DN50KF | 1/2 Inch | 2 | 40 | FL-50KF-1/2BSPF | £43 | €50 |
| DN25KF | 3/4 Inch | 2 | 40 | FL-25KF-3/4BSPF | £30 | €35 |
| DN40KF | 3/4 Inch | 2 | 40 | FL-40KF-3/4BSPF | £68 | €79 |
| DN50KF | 3/4 Inch | 2 | 40 | FL-50KF-3/4BSPF | £44 | €51 |
| DN40KF | 1 Inch | 2 | 45 | FL-40KF-1BSPF | £42 | €49 |
| DN50KF | 1 Inch | 2 | 45 | FL-50KF-1BSPF | £44 | €51 |

Fig. 1.

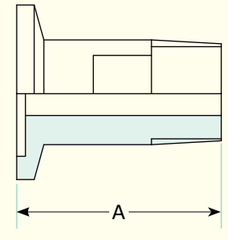
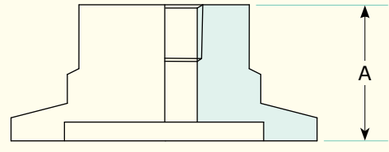



Fig. 2.




All dimensions are nominal in millimetres unless otherwise specified

Quick Connect Tube Adapters



## Specifications:

### Material

| | |
|---|---|
| Adapter | 304 St.St. |
| O-ring | Nitrile |

### Temperature Range

| | |
|---|---|
| Using Nitrile o-rings | -20°C to 80°C |

Replacement O rings and blanking plugs are available, please contact sales office for details.

## Features:

- Quick assembly and removal.
- Simple attachment of metal or glass tubes to vacuum system.
- Quick component interchange.
- 304 stainless steel as standard.
- Other flange and tube sizes available on request.
- Viton® O-rings available on request.
- Spare seals and blanking plugs available

Fig. 1.

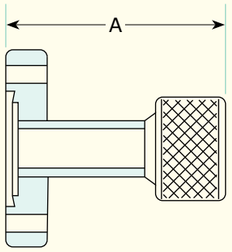
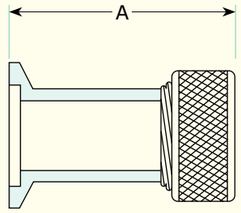



Fig. 2.




All dimensions are nominal in millimetres unless otherwise specified







## Quick Connect to CF Adapter



| Flange | For Tube OD | Fig. | A | Part Code | Price £ | Price € |
|---|---|---|---|---|---|---|
| DN16CF | 1.6 (1/16") | 1 | 33.3 | FL-QC2-16CF | £122 | €141 |
| DN40CF | 1.6 (1/16") | 1 | 33.3 | FL-QC2-40CF | £143 | €165 |
| DN16CF | 3.2 (1/8") | 1 | 33.3 | FL-QC3-16CF | £116 | €134 |
| DN40CF | 3.2 (1/8") | 1 | 33.3 | FL-QC3-40CF | £113 | €130 |
| DN16CF | 4.8 (3/16") | 1 | 33.3 | FL-QC5-16CF | £116 | €134 |
| DN40CF | 4.8 (3/16") | 1 | 33.3 | FL-QC5-40CF | £113 | €130 |
| DN16CF | 6.4 (1/4") | 1 | 33.3 | FL-QC6-16CF | £118 | €136 |
| DN40CF | 6.4 (1/4") | 1 | 33.3 | FL-QC6-40CF | £113 | €130 |
| DN16CF | 7.9 (5/16") | 1 | 33.3 | FL-QC8-16CF | £118 | €136 |
| DN40CF | 7.9 (5/16") | 1 | 33.3 | FL-QC8-40CF | £113 | €130 |
| DN16CF | 9.5 (3/8") | 1 | 33.3 | FL-QC10-16CF | £118 | €136 |
| DN40CF | 9.5 (3/8") | 1 | 33.3 | FL-QC10-40CF | £113 | €130 |
| DN16CF | 12.7 (1/2") | 1 | 34.9 | FL-QC13-16CF | £121 | €140 |
| DN40CF | 12.7 (1/2") | 1 | 34.9 | FL-QC13-40CF | £118 | €136 |
| DN16CF | 15.9 (5/8") | 1 | 42.5 | FL-QC16-16CF | £128 | €148 |
| DN40CF | 15.9 (5/8") | 1 | 38.1 | FL-QC16-40CF | £137 | €158 |
| DN40CF | 19.1 (3/4") | 1 | 41.3 | FL-QC19-40CF | £136 | €157 |
| DN40CF | 22.2 (7/8") | 1 | 47.6 | FL-QC22-40CF | £143 | €165 |
| DN40CF | 25.4 (1") | 1 | 50.8 | FL-QC25-40CF | £150 | €173 |
| DN40CF | 28.6 (1 1/8") | 1 | 50.8 | FL-QC29-40CF | £154 | €178 |
| DN40CF | 31.8 (1 1/4") | 1 | 63.5 | FL-QC32-40CF | £165 | €190 |
| DN40CF | 34.9 (1 3/8") | 1 | 58.7 | FL-QC35-40CF | £184 | €212 |
| DN40CF | 38.1 (1 1/2") | 1 | 63.5 | FL-QC38-40CF | £196 | €226 |

## Quick Connect to KF Adapter



| Flange | For Tube OD | Fig. | A | Part Code | Price £ | Price € |
|---|---|---|---|---|---|---|
| DN16KF | 6.4 (1/4") | 2 | 33.4 | FL-QC6-16KF | £72 | €83 |
| DN10KF | 12.7 (1/2") | 2 | 38.1 | FL-QC13-10KF | POA | POA |
| DN16KF | 12.7 (1/2") | 2 | 36.5 | FL-QC13-16KF | £82 | €95 |
| DN25KF | 12.7 (1/2") | 2 | 36.5 | FL-QC13-25KF | £86 | €99 |
| DN40KF | 12.7 (1/2") | 2 | 36.5 | FL-QC13-40KF | £92 | €106 |
| DN50KF | 12.7 (1/2") | 2 | 38.1 | FL-QC13-50KF | £104 | €120 |
| DN25KF | 15.9 (5/8") | 2 | 43.2 | FL-QC16-25KF | £88 | €102 |
| DN16KF | 19.1 (3/4")* | 2 | 44.5 | FL-QC19-16KF | £90 | €104 |
| DN25KF | 19.1 (3/4") | 2 | 44.5 | FL-QC19-25KF | £91 | €105 |
| DN40KF | 19.1 (3/4") | 2 | 44.5 | FL-QC19-40KF | £97 | €112 |
| DN50KF | 19.1 (3/4") | 2 | 45.7 | FL-QC19-50KF | £112 | €129 |
| DN25KF | 25.4 (1") | 2 | 50.8 | FL-QC25-25KF | £108 | €125 |
| DN40KF | 25.4 (1") | 2 | 50.8 | FL-QC25-40KF | £129 | €149 |
| DN50KF | 25.4 (1") | 2 | 50.8 | FL-QC25-50KF | £131 | €151 |
| DN25KF | 28.6 (1 1/8") | 2 | 50.8 | FL-QC29-25KF | £118 | €136 |
| DN40KF | 28.6 (1 1/8") | 2 | 50.8 | FL-QC29-40KF | £147 | €170 |
| DN50KF | 28.6 (1 1/8") | | 50.8 | FL-QC29-50KF | £151 | €174 |
| DN40KF | 31.8 (1 1/4") | 2 | 50.8 | FL-QC32-40KF | £183 | €211 |
| DN40KF | 34.9 (1 3/8") | 2 | 53.3 | FL-QC35-40KF | £202 | €233 |
| DN40KF | 38.1 (1 1/2") | 2 | 60.3 | FL-QC38-40KF | £214 | €247 |
| DN50KF | 38.1 (1 1/2") | 2 | 61.0 | FL-QC38-50KF | £203 | €234 |
| DN50KF | 50.8 (2") | 2 | 60.3 | FL-QC51-50KF | £230 | €265 |

The above quick connect adapters have a clear through bore and allow a tube to pass all of the way through the assembly. (Except *)

All dimensions are nominal in millimetres unless otherwise specified

Quick Connect Tube Adapters



## Specifications:

### Material

| | |
|---|---|
| Adapter | 304 St.St. |
| O-ring | Nitrile |

### Temperature Range

| | |
|---|---|
| Using Nitrile o-rings | -20°C to 80°C |

Replacement O rings and blanking plugs are available, please contact sales office for details.

## Features:

- Quick assembly and removal.
- Simple attachment of metal or glass tubes to vacuum system.
- Quick component interchange.
- 304 stainless steel as standard.
- Other flange and tube sizes available on request.
- Viton® O-rings available on request.
- Spare seals and blanking plugs available

Fig. 1.

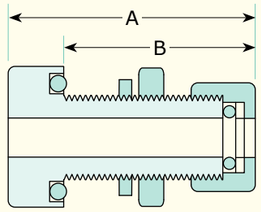
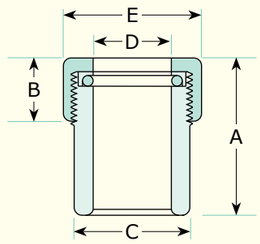



Fig. 2.












## Quick Connect to 1” Base Plate



| For Tube OD | Fig. | A | B | Part Code | Price £ | Price € |
|---|---|---|---|---|---|---|
| 3.2 (1/8”) | 1 | 72.9 | 66.5 | FL-QC3-BP | £301 | €347 |
| 6.4 (1/4”) | 1 | 72.9 | 66.5 | FL-QC6-BP | £301 | €347 |
| 9.5 (3/8”) | 1 | 72.9 | 66.5 | FL-QC10-BP | £301 | €347 |
| 12.7 (1/2”) | 1 | 72.9 | 66.5 | FL-QC13-BP | £301 | €347 |
| 15.9 (5/8”) | 1 | 72.9 | 66.5 | FL-QC16-BP | £301 | €347 |
| 19.1 (3/4”) | 1 | 72.9 | 66.5 | FL-QC19-BP | £301 | €347 |
| 25.4 (1”) | 1 | 91.9 | 78.2 | FL-QC25-BP | £382 | €440 |

## Quick Connect to Weldable



| For Tube OD | Fig. | A | B | C | D | E | Part Code | Price £ | Price € |
|---|---|---|---|---|---|---|---|---|---|
| 1.6 (1/16”) | 2 | 33.5 | 15.9 | 9.5 | 1.8 | 12.7 | FL-QC2-W | £41 | €48 |
| 3.2 (1/8”) | 2 | 33.5 | 15.9 | 9.5 | 3.5 | 12.7 | FL-QC3-W | £41 | €48 |
| 4.8 (3/16”) | 2 | 33.5 | 15.9 | 9.5 | 5.1 | 15.9 | FL-QC5-W | £41 | €48 |
| 6.4 (1/4”) | 2 | 33.5 | 15.9 | 9.5 | 6.7 | 15.9 | FL-QC6-W | £41 | €48 |
| 7.9 (5/16”) | 2 | 33.5 | 15.9 | 12.7 | 8.3 | 22.2 | FL-QC8-W | £44 | €51 |
| 9.5 (3/8”) | 2 | 33.5 | 15.9 | 12.7 | 9.9 | 22.2 | FL-QC10-W | £44 | €51 |
| 12.7 (1/2”) | 2 | 33.5 | 15.9 | 15.9 | 13.1 | 22.2 | FL-QC13-W | £48 | €56 |
| 15.9 (5/8”) | 2 | 38.1 | 19.1 | 19.3 | 16.3 | 30.2 | FL-QC16-W | £52 | €60 |
| 19.1 (3/4”) | 2 | 41.3 | 19.1 | 22.2 | 19.4 | 34.9 | FL-QC19-W | £54 | €63 |
| 22.2 (7/8”) | 2 | 41.3 | 19.1 | 25.4 | 22.6 | 34.9 | FL-QC22-W | £61 | €71 |
| 25.4 (1”) | 2 | 47.6 | 19.1 | 28.6 | 25.8 | 41.3 | FL-QC25-W | £68 | €79 |
| 28.6 (1 1/8”) | 2 | 47.6 | 19.1 | 31.8 | 29.0 | 47.6 | FL-QC29-W | £81 | €94 |
| 31.8 (1 1/4”) | 2 | 50.8 | 19.1 | 38.1 | 32.1 | 47.6 | FL-QC32-W | £91 | €105 |
| 34.9 (1 3/8”) | 2 | 54.0 | 22.2 | 41.3 | 35.3 | 50.8 | FL-QC35-W | £134 | €155 |
| 38.1 (1 1/2”) | 2 | 57.2 | 22.2 | 44.5 | 38.5 | 57.2 | FL-QC38-W | £151 | €174 |
| 41.3 (1 5/8”) | 2 | 57.2 | 22.2 | 47.6 | 41.7 | 60.3 | FL-QC41-W | £162 | €187 |
| 50.8 (2”) | 2 | 57.2 | 22.2 | 57.2 | 51.2 | 69.9 | FL-QC51-W | £174 | €201 |

The above quick connect adapters have a clear through bore and allow a tube to pass all of the way through the assembly.

All dimensions are nominal in millimetres unless otherwise specified

Email : sales@lewvac.co.uk - Tel : +44 (0)1444 233372 - Website : www.lewvac.co.uk