

# T-piece

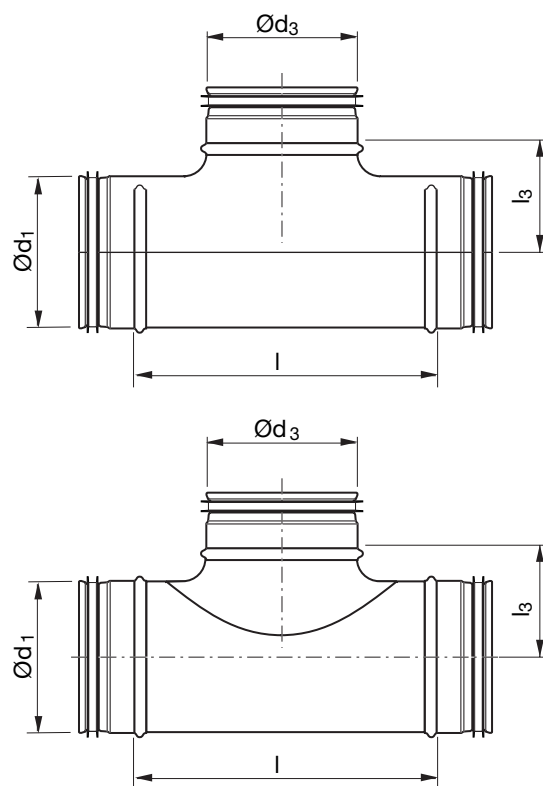
# TCPU



## Description

T-piece built with PSU saddle or a fully pressed top section.

## Dimensions



| Ød <sub>1</sub><br>nom | Ød <sub>3</sub><br>nom | l<br>[mm] | l <sub>3</sub><br>[mm] | m<br>[kg] |
|------------------------|------------------------|-----------|------------------------|-----------|
| 63                     | 63                     | 125       | 42                     | 0,26      |
| 80                     | 63                     | 125       | 50                     | 0,31      |
| 80                     | 80                     | 140       | 52                     | 0,36      |
| 100                    | 63                     | 125       | 60                     | 0,35      |
| 100                    | 80                     | 97        | 60                     | 0,23      |
| 100                    | 100                    | 130       | 65                     | 0,32      |
| 112                    | 63                     | 125       | 66                     | 0,41      |
| 112                    | 80                     | 140       | 68                     | 0,47      |
| 112                    | 100                    | 175       | 71                     | 0,55      |
| 112                    | 112 *                  | 140       | 81                     | 0,57      |
| 125                    | 63                     | 125       | 73                     | 0,44      |
| 125                    | 80                     | 97        | 72                     | 0,34      |
| 125                    | 100                    | 130       | 78                     | 0,37      |
| 125                    | 112                    | 175       | 88                     | 0,61      |
| 125                    | 125                    | 165       | 83                     | 0,44      |
| 140                    | 80                     | 140       | 82                     | 0,56      |
| 140                    | 100                    | 175       | 85                     | 0,65      |
| 140                    | 112                    | 175       | 95                     | 0,67      |
| 140                    | 125 *                  | 215       | 95                     | 0,76      |
| 140                    | 140                    | 230       | 90                     | 0,78      |
| 150                    | 80                     | 140       | 87                     | 0,58      |
| 150                    | 100                    | 175       | 90                     | 0,69      |
| 150                    | 125                    | 215       | 95                     | 0,76      |

## Ordering example

|                           |             |            |            |
|---------------------------|-------------|------------|------------|
|                           | <b>TCPU</b> | <b>250</b> | <b>160</b> |
| Product                   |             |            |            |
| Dimension Ød <sub>1</sub> |             |            |            |
| Dimension Ød <sub>3</sub> |             |            |            |



## T-piece

## TCPU

| Ød <sub>1</sub><br>nom | Ød <sub>3</sub><br>nom | l<br>[mm] | l <sub>3</sub><br>[mm] | m<br>[kg] |
|------------------------|------------------------|-----------|------------------------|-----------|
| 150                    | 140                    | 230       | 95                     | 0,82      |
| 150                    | 150                    | 260       | 95                     | 0,94      |
| 160                    | 80                     | 140       | 92                     | 0,59      |
| 160                    | 100                    | 130       | 95                     | 0,46      |
| 160                    | 125                    | 166       | 100                    | 0,53      |
| 160                    | 140                    | 230       | 100                    | 0,87      |
| 160                    | 150                    | 260       | 100                    | 0,99      |
| 160                    | 160                    | 209       | 105                    | 0,63      |
| 180                    | 80                     | 140       | 102                    | 0,92      |
| 180                    | 100                    | 175       | 105                    | 0,80      |
| 180                    | 125                    | 215       | 110                    | 0,91      |
| 180                    | 140                    | 230       | 110                    | 0,96      |
| 180                    | 150                    | 260       | 110                    | 1,08      |
| 180                    | 160                    | 260       | 115                    | 1,06      |
| 180                    | 180                    | 285       | 115                    | 1,44      |
| 200                    | 80                     | 140       | 112                    | 0,77      |
| 200                    | 100                    | 175       | 115                    | 0,88      |
| 200                    | 125                    | 215       | 120                    | 1,02      |
| 200                    | 140                    | 230       | 120                    | 1,07      |
| 200                    | 150                    | 260       | 120                    | 1,19      |
| 200                    | 160                    | 209       | 125                    | 0,67      |
| 200                    | 180                    | 285       | 125                    | 1,35      |
| 200                    | 200                    | 249       | 125                    | 1,21      |
| 224                    | 80                     | 140       | 124                    | 0,85      |
| 224                    | 100                    | 175       | 127                    | 1,01      |
| 224                    | 125                    | 215       | 132                    | 1,14      |
| 224                    | 140                    | 230       | 132                    | 1,20      |
| 224                    | 150                    | 260       | 132                    | 1,29      |
| 224                    | 160                    | 260       | 137                    | 1,28      |
| 224                    | 180                    | 285       | 137                    | 1,46      |
| 224                    | 200                    | 346       | 137                    | 1,69      |
| 250                    | 80                     | 156       | 137                    | 1,13      |
| 250                    | 100                    | 175       | 140                    | 1,22      |
| 250                    | 125                    | 220       | 145                    | 1,48      |
| 250                    | 140                    | 230       | 145                    | 1,48      |
| 250                    | 150                    | 255       | 145                    | 1,55      |
| 250                    | 160                    | 256       | 150                    | 1,58      |
| 250                    | 180                    | 306       | 150                    | 1,79      |
| 250                    | 200                    | 237       | 151                    | 1,16      |
| 250                    | 224                    | 350       | 150                    | 2,09      |
| 250                    | 250                    | 296       | 150                    | 1,65      |
| 280                    | 80                     | 156       | 152                    | 1,25      |
| 280                    | 100                    | 175       | 155                    | 1,37      |
| 280                    | 125                    | 220       | 160                    | 1,56      |
| 280                    | 140                    | 230       | 160                    | 1,63      |
| 280                    | 150                    | 255       | 160                    | 1,72      |
| 280                    | 160                    | 256       | 165                    | 1,75      |

| Ød <sub>1</sub><br>nom | Ød <sub>3</sub><br>nom | l<br>[mm] | l <sub>3</sub><br>[mm] | m<br>[kg] |
|------------------------|------------------------|-----------|------------------------|-----------|
| 280                    | 180                    | 306       | 165                    | 1,97      |
| 280                    | 200                    | 306       | 165                    | 2,01      |
| 280                    | 224                    | 350       | 165                    | 2,27      |
| 280                    | 250 *                  | 350       | 165                    | 2,44      |
| 280                    | 280 *                  | 390       | 165                    | 2,67      |
| 300                    | 80                     | 156       | 162                    | 1,36      |
| 300                    | 100                    | 175       | 165                    | 1,47      |
| 300                    | 125                    | 220       | 170                    | 1,68      |
| 300                    | 140                    | 230       | 170                    | 1,74      |
| 300                    | 150                    | 255       | 170                    | 1,86      |
| 300                    | 160                    | 256       | 175                    | 1,87      |
| 300                    | 180                    | 306       | 175                    | 2,12      |
| 300                    | 200                    | 306       | 175                    | 2,15      |
| 300                    | 224                    | 350       | 175                    | 2,41      |
| 300                    | 250                    | 350       | 175                    | 2,50      |
| 300                    | 280 *                  | 390       | 175                    | 2,53      |
| 300                    | 300                    | 430       | 175                    | 3,55      |
| 315                    | 80                     | 156       | 170                    | 1,43      |
| 315                    | 100                    | 175       | 173                    | 1,50      |
| 315                    | 125                    | 220       | 178                    | 1,76      |
| 315                    | 140                    | 230       | 178                    | 1,82      |
| 315                    | 150                    | 255       | 178                    | 2,38      |
| 315                    | 160                    | 256       | 182                    | 1,96      |
| 315                    | 180                    | 306       | 182                    | 2,21      |
| 315                    | 200                    | 306       | 182                    | 2,14      |
| 315                    | 224                    | 350       | 182                    | 2,51      |
| 315                    | 250                    | 300       | 185                    | 2,00      |
| 315                    | 280                    | 390       | 182                    | 3,00      |
| 315                    | 300                    | 430       | 182                    | 3,21      |
| 315                    | 315                    | 363       | 182                    | 2,20      |
| 355                    | 100                    | 175       | 193                    | 1,73      |
| 355                    | 125                    | 220       | 198                    | 1,96      |
| 355                    | 140                    | 230       | 198                    | 2,03      |
| 355                    | 150                    | 255       | 198                    | 2,46      |
| 355                    | 160                    | 256       | 203                    | 2,45      |
| 355                    | 180                    | 306       | 203                    | 2,81      |
| 355                    | 200                    | 306       | 203                    | 2,82      |
| 355                    | 224                    | 350       | 203                    | 3,13      |
| 355                    | 250                    | 350       | 203                    | 3,18      |
| 355                    | 280 *                  | 390       | 203                    | 3,63      |
| 355                    | 300                    | 430       | 203                    | 3,87      |
| 355                    | 315                    | 415       | 203                    | 4,06      |
| 355                    | 355 *                  | 470       | 203                    | 5,14      |
| 400                    | 100                    | 175       | 215                    | 2,27      |
| 400                    | 125                    | 225       | 200                    | 2,81      |
| 400                    | 160                    | 266       | 225                    | 3,02      |
| 400                    | 200                    | 300       | 225                    | 3,37      |

## T-piece

## TCPU

| Ød <sub>1</sub><br>nom | Ød <sub>3</sub><br>nom | l<br>[mm] | l <sub>3</sub><br>[mm] | m<br>[kg] |
|------------------------|------------------------|-----------|------------------------|-----------|
| 400                    | 224                    | 350       | 225                    | 3,74      |
| 400                    | 250                    | 350       | 225                    | 3,79      |
| 400                    | 280 *                  | 390       | 225                    | 4,23      |
| 400                    | 300                    | 430       | 225                    | 4,47      |
| 400                    | 315                    | 415       | 225                    | 4,42      |
| 400                    | 355 *                  | 470       | 225                    | 5,04      |
| 400                    | 400                    | 510       | 225                    | 6,20      |
| 450                    | 100                    | 175       | 240                    | 2,76      |
| 450                    | 125                    | 225       | 245                    | 3,15      |
| 450                    | 160                    | 266       | 250                    | 3,38      |
| 450                    | 200                    | 300       | 250                    | 3,75      |
| 450                    | 224                    | 350       | 250                    | 4,16      |
| 450                    | 250                    | 350       | 250                    | 4,23      |
| 450                    | 280 *                  | 390       | 250                    | 4,64      |
| 450                    | 300                    | 430       | 250                    | 4,89      |
| 450                    | 315                    | 415       | 250                    | 4,82      |
| 450                    | 355                    | 470       | 250                    | 5,16      |
| 450                    | 400                    | 510       | 250                    | 5,81      |
| 450                    | 450 *                  | 550       | 250                    | 6,99      |
| 500                    | 100                    | 175       | 265                    | 3,06      |
| 500                    | 125                    | 225       | 270                    | 3,35      |
| 500                    | 160                    | 266       | 275                    | 3,77      |
| 500                    | 200                    | 300       | 275                    | 4,14      |
| 500                    | 250                    | 350       | 275                    | 4,68      |
| 500                    | 300                    | 430       | 275                    | 5,36      |
| 500                    | 315                    | 415       | 275                    | 5,30      |
| 500                    | 355                    | 470       | 275                    | 5,70      |
| 500                    | 400                    | 510       | 275                    | 6,34      |
| 500                    | 450 *                  | 550       | 275                    | 6,56      |
| 500                    | 500 *                  | 552       | 290                    | 8,27      |
| 560                    | 100                    | 175       | 295                    | 3,59      |
| 560                    | 125                    | 225       | 300                    | 3,92      |
| 560                    | 160                    | 266       | 305                    | 4,41      |
| 560                    | 200                    | 300       | 305                    | 4,78      |
| 560                    | 250                    | 350       | 305                    | 5,38      |
| 560                    | 300                    | 430       | 305                    | 5,86      |
| 560                    | 315                    | 415       | 305                    | 6,06      |
| 560                    | 355                    | 470       | 305                    | 6,57      |
| 560                    | 400                    | 510       | 305                    | 7,08      |
| 560                    | 450 *                  | 550       | 305                    | 7,38      |
| 560                    | 500 *                  | 552       | 320                    | 7,57      |
| 560                    | 560 *                  | 610       | 320                    | 9,69      |
| 600                    | 100                    | 175       | 315                    | 3,83      |
| 600                    | 125                    | 225       | 320                    | 4,19      |
| 600                    | 160                    | 266       | 325                    | 4,73      |
| 600                    | 200                    | 300       | 325                    | 5,10      |
| 600                    | 250                    | 350       | 325                    | 5,73      |

| Ød <sub>1</sub><br>nom | Ød <sub>3</sub><br>nom | l<br>[mm] | l <sub>3</sub><br>[mm] | m<br>[kg] |
|------------------------|------------------------|-----------|------------------------|-----------|
| 600                    | 300 *                  | 430       | 325                    | 6,36      |
| 600                    | 315                    | 415       | 325                    | 6,46      |
| 600                    | 355 *                  | 470       | 325                    | 6,98      |
| 600                    | 400                    | 510       | 325                    | 7,43      |
| 600                    | 450 *                  | 550       | 325                    | 7,84      |
| 600                    | 500 *                  | 552       | 340                    | 7,91      |
| 600                    | 560 *                  | 610       | 340                    | 8,76      |
| 600                    | 600 *                  | 650       | 340                    | 10,8      |
| 630                    | 100                    | 175       | 330                    | 4,03      |
| 630                    | 125                    | 225       | 335                    | 4,41      |
| 630                    | 160                    | 266       | 340                    | 4,99      |
| 630                    | 200                    | 300       | 340                    | 5,35      |
| 630                    | 250                    | 350       | 340                    | 6,00      |
| 630                    | 300 *                  | 450       | 340                    | 7,23      |
| 630                    | 315                    | 415       | 340                    | 6,77      |
| 630                    | 355 *                  | 470       | 340                    | 7,18      |
| 630                    | 400                    | 510       | 340                    | 7,69      |
| 630                    | 450 *                  | 555       | 340                    | 8,24      |
| 630                    | 500 *                  | 552       | 355                    | 8,44      |
| 630                    | 560 *                  | 610       | 355                    | 9,11      |
| 630                    | 600 *                  | 650       | 355                    | 9,58      |
| 630                    | 630 *                  | 680       | 355                    | 11,3      |

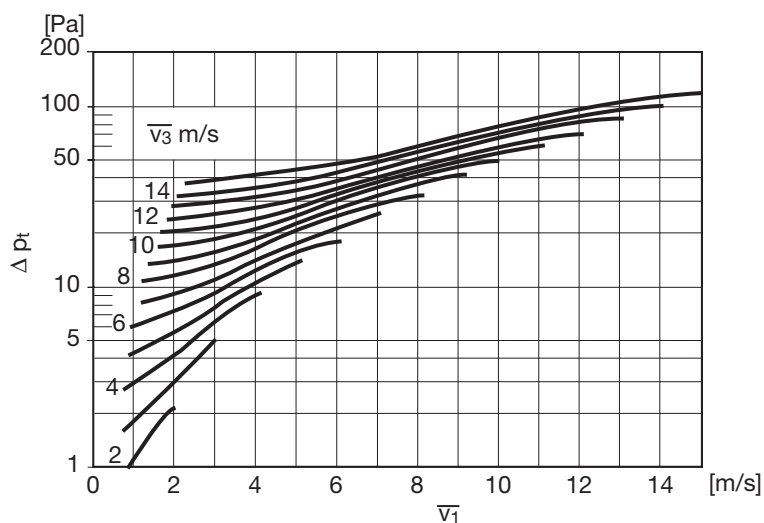
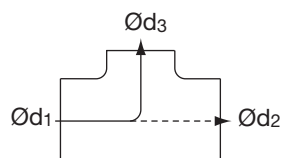
\* Hand made with saddle without radius.

# T-piece and saddle

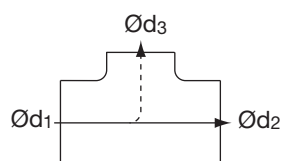
# TCPU, PSU

## Supply air

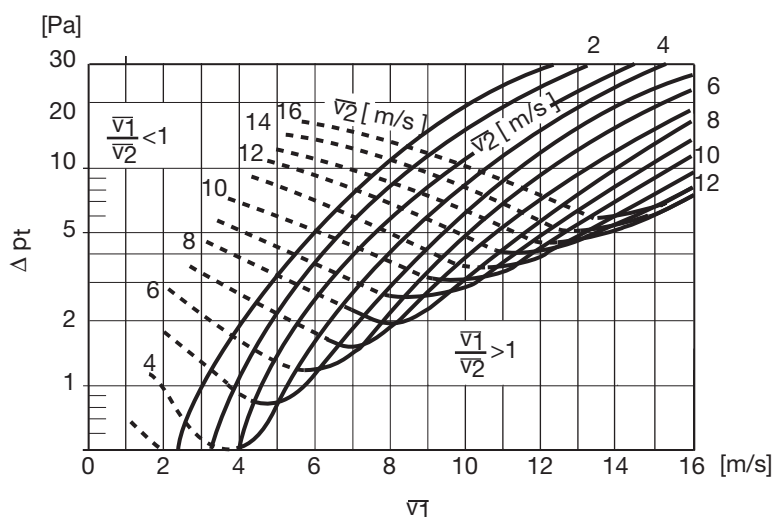
### Diverging flow



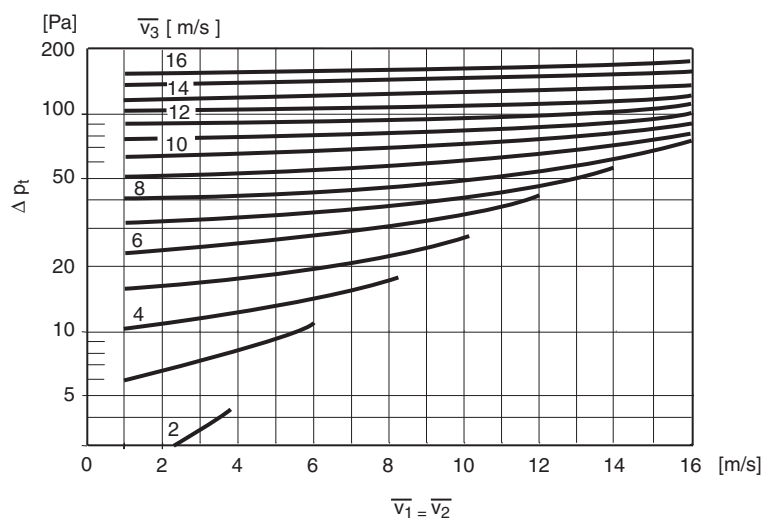
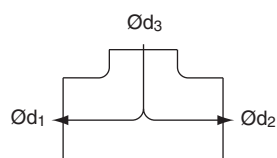
### Diverging flow



The diagram is also applicable to reduction in  $\text{Ød}_2$ .



### Diverging flow

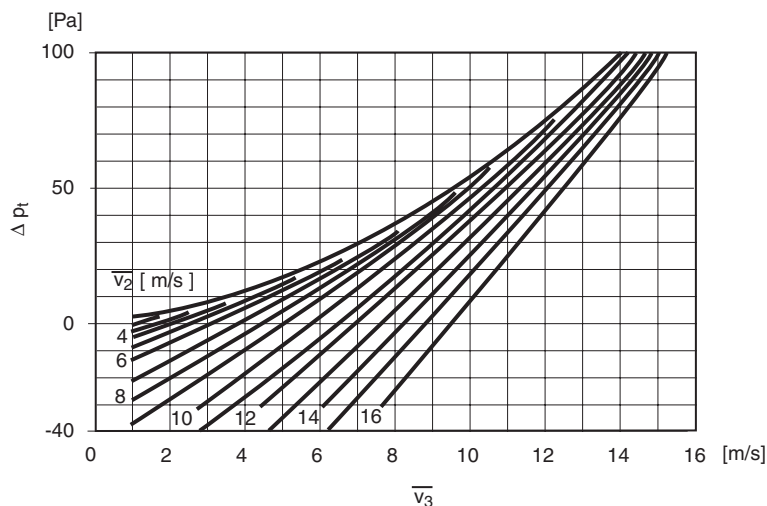
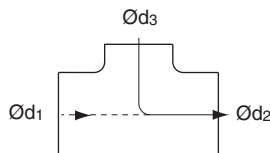


# T-piece and saddle

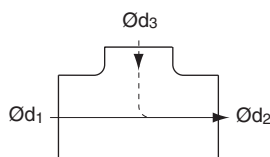
# TCPU, PSU

Extract air

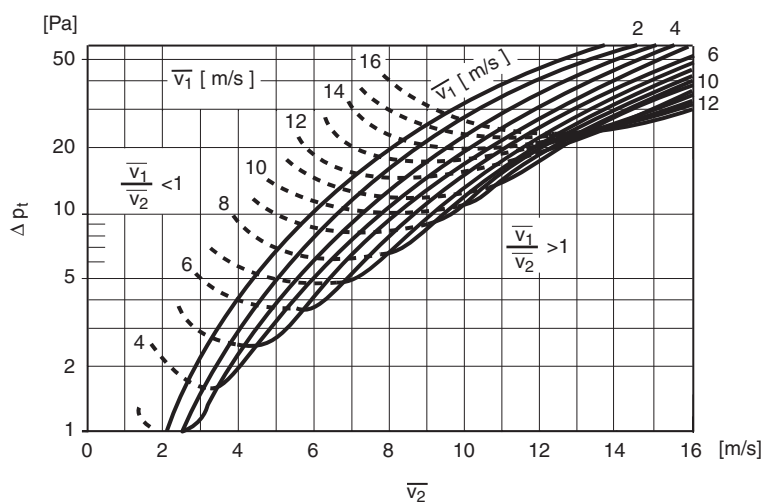
## Converging flow



## Converging flow



The diagram is also applicable to reduction in  $\text{Ød}_1$ .



## Converging flow

