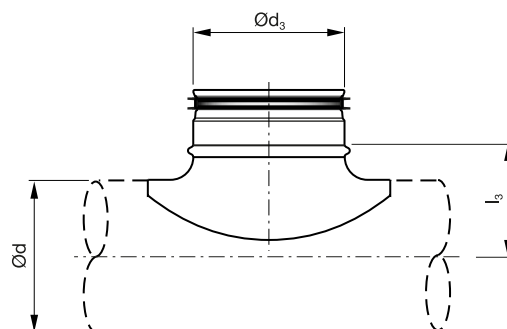


# Saddle

# PSU



## Dimensions



## Description

Pressed saddle with aerodynamic airflow radius facing the branch.

Some PSUs are pressed and fit several dimensions of main duct.

Some dimensions fit several sizes, see dimension table when ordering.

## Order code

|                           |     |
|---------------------------|-----|
| Product                   | PSU |
| Dimension Ød              | 125 |
| Dimension Ød <sub>3</sub> | 100 |

**Order example: PSU-125-100**

| Ød <sub>nom</sub><br>mm | Ød <sub>3 nom</sub><br>mm | l <sub>3</sub><br>mm | m<br>kg | Order Size ** |
|-------------------------|---------------------------|----------------------|---------|---------------|
| 63                      | 63                        | 42                   | 0,09    | 63 63         |
| 80                      | 63                        | 50                   | 0,09    | 80 63         |
| 80                      | 80                        | 52                   | 0,13    | 80 80         |
| 100                     | 63                        | 60                   | 0,09    | 100 63        |
| 100                     | 80                        | 60                   | 0,14    | 100 80        |
| 100                     | 100                       | 65                   | 0,18    | 100 100       |
| 112                     | 63                        | 66                   | 0,09    | 125 63        |
| 112                     | 80                        | 68                   | 0,13    | 125 80        |
| 112                     | 100                       | 71                   | 0,18    | 125 100       |
| 112 *                   | 112                       | 81                   | 0,21    | 112 112       |
| 125                     | 63                        | 73                   | 0,08    | 125 63        |
| 125                     | 80                        | 72                   | 0,13    | 125 80        |
| 125                     | 100                       | 78                   | 0,18    | 125 100       |
| 125 *                   | 112                       | 88                   | 0,21    | 125 112       |
| 125                     | 125                       | 83                   | 0,25    | 125 125       |
| 140                     | 80                        | 82                   | 0,13    | 125 80        |
| 140                     | 100                       | 85                   | 0,18    | 125 100       |
| 140 *                   | 112                       | 95                   | 0,21    | 140 112       |
| 140 *                   | 125                       | 95                   | 0,22    | 140 125       |
| 140                     | 140                       | 90                   | 0,25    | 140 140       |
| 150                     | 80                        | 87                   | 0,10    | 160 80        |
| 150                     | 100                       | 90                   | 0,18    | 160 100       |
| 150                     | 125                       | 95                   | 0,18    | 160 125       |
| 150                     | 140                       | 95                   | 0,25    | 160 140       |
| 150                     | 150                       | 95                   | 0,25    | 150 150       |
| 160                     | 80                        | 92                   | 0,10    | 160 80        |
| 160                     | 100                       | 95                   | 0,18    | 160 100       |
| 160                     | 125                       | 100                  | 0,18    | 160 125       |
| 160                     | 140                       | 100                  | 0,25    | 160 140       |
| 160                     | 150                       | 100                  | 0,32    | 160 150       |
| 160                     | 160                       | 105                  | 0,26    | 160 160       |
| 180                     | 80                        | 102                  | 0,09    | 200 80        |
| 180                     | 100                       | 105                  | 0,19    | 200 100       |
| 180                     | 125                       | 110                  | 0,25    | 200 125       |
| 180                     | 140                       | 110                  | 0,25    | 200 140       |
| 180                     | 150                       | 110                  | 0,22    | 200 150       |
| 180                     | 160                       | 115                  | 0,27    | 200 160       |
| 180                     | 180                       | 115                  | 0,48    | 180 180       |

\* Handmade without radius.

\*\* Specify this dimension when ordering.

## Saddle

## PSU

| Ød <sub>nom</sub><br>mm | Ød <sub>3 nom</sub><br>mm | l <sub>3</sub><br>mm | m<br>kg | Order Size ** |
|-------------------------|---------------------------|----------------------|---------|---------------|
| 200                     | 80                        | 112                  | 0,09    | 200 80        |
| 200                     | 100                       | 115                  | 0,19    | 200 100       |
| 200                     | 125                       | 115                  | 0,25    | 200 125       |
| 200                     | 140                       | 120                  | 0,25    | 200 140       |
| 200                     | 150                       | 120                  | 0,22    | 200 150       |
| 200                     | 160                       | 125                  | 0,27    | 200 160       |
| 200                     | 180                       | 125                  | 0,45    | 200 180       |
| 200                     | 200                       | 125                  | 0,39    | 200 200       |
| 224                     | 80                        | 124                  | 0,12    | 250 80        |
| 224                     | 100                       | 127                  | 0,18    | 250 100       |
| 224                     | 125                       | 132                  | 0,23    | 250 125       |
| 224                     | 140                       | 132                  | 0,29    | 250 140       |
| 224                     | 150                       | 132                  | 0,21    | 250 150       |
| 224                     | 160                       | 137                  | 0,24    | 250 160       |
| 224                     | 180                       | 137                  | 0,41    | 250 180       |
| 224 *                   | 200                       | 137                  | 0,47    | 224 200       |
| 224                     | 224                       | 137                  | 0,64    | 224 224       |
| 250                     | 80                        | 137                  | 0,12    | 250 80        |
| 250                     | 100                       | 140                  | 0,18    | 250 100       |
| 250                     | 125                       | 145                  | 0,23    | 250 125       |
| 250                     | 140                       | 145                  | 0,29    | 250 140       |
| 250                     | 150                       | 145                  | 0,21    | 250 150       |
| 250                     | 160                       | 150                  | 0,24    | 250 160       |
| 250                     | 180                       | 150                  | 0,41    | 250 180       |
| 250                     | 200                       | 150                  | 0,35    | 250 200       |
| 250                     | 224                       | 150                  | 0,63    | 250 224       |
| 250                     | 250                       | 150                  | 0,66    | 250 250       |
| 280                     | 80                        | 155                  | 0,12    | 250 80        |
| 280                     | 100                       | 155                  | 0,12    | 315 100       |
| 280                     | 125                       | 160                  | 0,23    | 315 125       |
| 280                     | 140                       | 160                  | 0,27    | 315 140       |
| 280                     | 150                       | 160                  | 0,21    | 315 150       |
| 280                     | 160                       | 165                  | 0,24    | 315 160       |
| 280                     | 180                       | 165                  | 0,40    | 315 180       |
| 280                     | 200                       | 165                  | 0,46    | 315 200       |
| 280                     | 224                       | 165                  | 0,58    | 315 224       |
| 280 *                   | 250                       | 165                  | 0,77    | 280 250       |
| 280 *                   | 280                       | 165                  | 0,59    | 280 280       |
| 300                     | 80                        | 162                  | 0,12    | 250 80        |
| 300                     | 100                       | 165                  | 0,12    | 315 100       |
| 300                     | 125                       | 170                  | 0,23    | 315 125       |
| 300                     | 140                       | 170                  | 0,27    | 315 140       |
| 300                     | 150                       | 170                  | 0,21    | 315 160       |
| 300                     | 160                       | 175                  | 0,24    | 315 160       |
| 300                     | 180                       | 175                  | 0,40    | 315 180       |
| 300                     | 200                       | 175                  | 0,46    | 315 200       |
| 300                     | 224                       | 175                  | 0,58    | 315 224       |
| 300                     | 250                       | 175                  | 0,71    | 315 250       |
| 300 *                   | 280                       | 175                  | 0,59    | 300 280       |
| 300                     | 300                       | 175                  | 1,13    | 300 300       |
| 315                     | 80                        | 170                  | 0,12    | 250 80        |
| 315                     | 100                       | 173                  | 0,12    | 315 100       |
| 315                     | 125                       | 178                  | 0,23    | 315 125       |
| 315                     | 140                       | 178                  | 0,27    | 315 140       |

\* Handmade without radius.

\*\* Specify this dimension when ordering.

| Ød <sub>nom</sub><br>mm | Ød <sub>3 nom</sub><br>mm | l <sub>3</sub><br>mm | m<br>kg | Order Size ** |
|-------------------------|---------------------------|----------------------|---------|---------------|
| 315                     | 150                       | 178                  | 0,21    | 315 160       |
| 315                     | 160                       | 182                  | 0,24    | 315 160       |
| 315                     | 180                       | 182                  | 0,40    | 315 180       |
| 315                     | 200                       | 182                  | 0,33    | 315 200       |
| 315                     | 224                       | 182                  | 0,58    | 315 224       |
| 315                     | 250                       | 182                  | 0,61    | 315 250       |
| 315 *                   | 280                       | 182                  | 0,95    | 315 280       |
| 315                     | 300                       | 182                  | 1,10    | 315 300       |
| 315                     | 315                       | 182                  | 1,22    | 315 315       |
| 355                     | 100                       | 193                  | 0,12    | 315 100       |
| 355                     | 125                       | 198                  | 0,23    | 315 125       |
| 355                     | 140                       | 198                  | 0,27    | 315 140       |
| 355                     | 150                       | 198                  | 0,21    | 315 150       |
| 355                     | 160                       | 203                  | 0,24    | 400 160       |
| 355                     | 180                       | 203                  | 0,40    | 315 180       |
| 355                     | 200                       | 203                  | 0,44    | 400 200       |
| 355                     | 224                       | 203                  | 0,58    | 315 224       |
| 355                     | 250                       | 203                  | 0,65    | 400 250       |
| 355 *                   | 280                       | 203                  | 0,89    | 355 280       |
| 355                     | 300                       | 203                  | 0,94    | 400 300       |
| 355 *                   | 315                       | 203                  | 1,12    | 355 315       |
| 355 *                   | 355                       | 203                  | 0,90    | 355 355       |
| 400                     | 100                       | 215                  | 0,12    | 500 100       |
| 400                     | 125                       | 220                  | 0,23    | 500 125       |
| 400                     | 150                       | 220                  | 0,24    | 500 150       |
| 400                     | 160                       | 225                  | 0,24    | 400 160       |
| 400                     | 200                       | 225                  | 0,32    | 400 200       |
| 400                     | 224                       | 225                  | 0,54    | 500 224       |
| 400                     | 250                       | 225                  | 0,56    | 400 250       |
| 400 *                   | 280                       | 225                  | 0,83    | 400 280       |
| 400                     | 300                       | 250                  | 0,94    | 400 300       |
| 400                     | 315                       | 225                  | 1,03    | 400 315       |
| 400 *                   | 355                       | 225                  | 1,42    | 400 355       |
| 400                     | 400                       | 225                  | 1,87    | 400 400       |
| 450                     | 100                       | 240                  | 0,12    | 500 100       |
| 450                     | 125                       | 245                  | 0,23    | 500 125       |
| 450                     | 150                       | 245                  | 0,24    | 500 150       |
| 450                     | 160                       | 250                  | 0,25    | 500 160       |
| 450                     | 200                       | 250                  | 0,42    | 500 200       |
| 450                     | 224                       | 250                  | 0,54    | 500 224       |
| 450                     | 250                       | 250                  | 0,67    | 500 250       |
| 450 *                   | 280                       | 250                  | 0,77    | 450 280       |
| 450                     | 300                       | 250                  | 0,83    | 500 300       |
| 450                     | 315                       | 250                  | 0,94    | 500 315       |
| 450 *                   | 355                       | 250                  | 1,01    | 450 355       |
| 450                     | 400                       | 250                  | 1,81    | 500 400       |
| 450 *                   | 450                       | 250                  | 1,58    | 450 450       |
| 500                     | 100                       | 265                  | 0,12    | 500 100       |
| 500                     | 125                       | 270                  | 0,23    | 500 125       |
| 500                     | 150                       | 270                  | 0,24    | 500 150       |
| 500                     | 160                       | 275                  | 0,25    | 500 160       |
| 500                     | 200                       | 275                  | 0,31    | 500 200       |
| 500                     | 224                       | 275                  | 0,54    | 500 224       |
| 500                     | 250                       | 275                  | 0,55    | 500 250       |

\* Handmade without radius.

\*\* Specify this dimension when ordering.



## Saddle

## PSU

| Ød <sub>nom</sub><br>mm | Ød <sub>3 nom</sub><br>mm | l <sub>3</sub><br>mm | m<br>kg | Order Size ** |
|-------------------------|---------------------------|----------------------|---------|---------------|
| 500                     | 300                       | 275                  | 0,83    | 500 300       |
| 500                     | 315                       | 275                  | 0,93    | 500 315       |
| 500 *                   | 355                       | 275                  | 1,01    | 500 355       |
| 500                     | 400                       | 275                  | 1,75    | 500 400       |
| 500 *                   | 450                       | 275                  | 1,45    | 500 450       |
| 500 *                   | 500                       | 290                  | 1,87    | 500 500       |
| 560                     | 100                       | 295                  | 0,12    | 500 100       |
| 560                     | 125                       | 300                  | 0,23    | 500 125       |
| 560                     | 160                       | 305                  | 0,25    | 500 160       |
| 560                     | 200                       | 305                  | 0,42    | 500 200       |
| 560                     | 224                       | 305                  | 0,54    | 550 224       |
| 560                     | 250                       | 305                  | 0,67    | 500 250       |
| 560                     | 300                       | 305                  | 0,83    | 500 300       |
| 560                     | 315                       | 305                  | 0,93    | 500 315       |
| 560 *                   | 355                       | 305                  | 1,06    | 560 355       |
| 560                     | 400                       | 305                  | 1,75    | 500 400       |
| 560 *                   | 450                       | 305                  | 1,37    | 560 450       |
| 560 *                   | 500                       | 320                  | 1,75    | 560 500       |
| 560 *                   | 560                       | 320                  | 2,24    | 560 560       |
| 600                     | 100                       | 315                  | 0,12    | 500 100       |
| 600                     | 125                       | 320                  | 0,23    | 500 125       |
| 600                     | 160                       | 325                  | 0,31    | 630 160       |
| 600                     | 200                       | 325                  | 0,40    | 630 200       |
| 600                     | 224                       | 325                  | 0,54    | 500 224       |
| 600                     | 250                       | 325                  | 0,52    | 630 250       |
| 600                     | 300                       | 325                  | 0,83    | 500 300       |
| 600                     | 315                       | 325                  | 0,93    | 630 315       |
| 600 *                   | 355                       | 325                  | 0,94    | 600 355       |
| 600                     | 400                       | 325                  | 1,49    | 630 400       |
| 600 *                   | 450                       | 325                  | 1,34    | 600 450       |
| 600 *                   | 500                       | 340                  | 1,60    | 600 500       |
| 600 *                   | 560                       | 340                  | 2,09    | 600 560       |
| 600 *                   | 600                       | 340                  | 2,47    | 600 600       |
| 630                     | 100                       | 330                  | 0,12    | 500 100       |
| 630                     | 125                       | 335                  | 0,23    | 500 125       |
| 630                     | 160                       | 340                  | 0,31    | 630 160       |
| 630                     | 200                       | 340                  | 0,31    | 630 200       |
| 630                     | 224                       | 340                  | 0,54    | 500 224       |
| 630                     | 250                       | 340                  | 0,52    | 630 250       |
| 630                     | 300                       | 340                  | 0,55    | 500 300       |
| 630                     | 315                       | 340                  | 0,93    | 630 315       |
| 630 *                   | 355                       | 340                  | 0,80    | 630 355       |
| 630                     | 400                       | 340                  | 1,49    | 630 400       |
| 630 *                   | 450                       | 340                  | 1,82    | 630 450       |
| 630 *                   | 500                       | 355                  | 1,53    | 630 500       |
| 630 *                   | 560                       | 355                  | 2,09    | 630 560       |
| 630 *                   | 600                       | 355                  | 2,35    | 630 600       |
| 630 *                   | 630                       | 355                  | 2,53    | 630 630       |

\* Handmade without radius.

\*\* Specify this dimension when ordering.

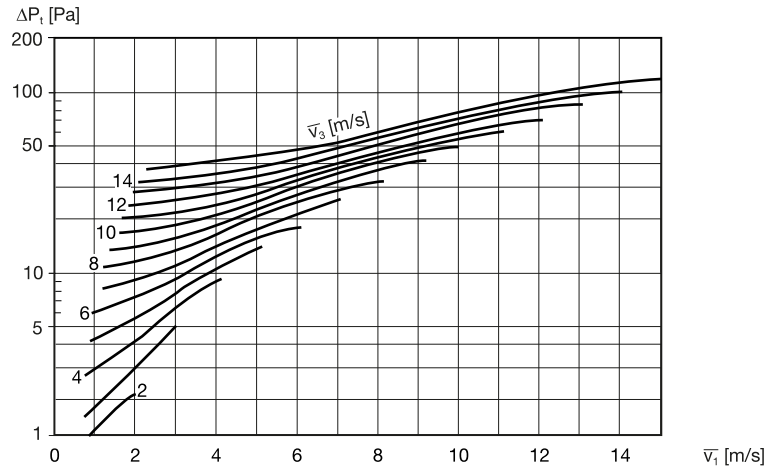
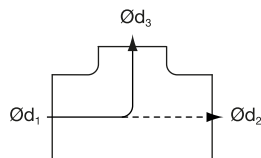
# Saddle

# PSU

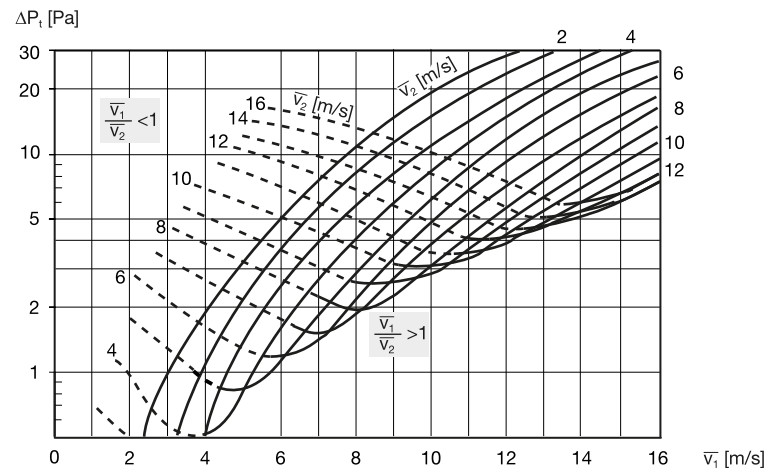
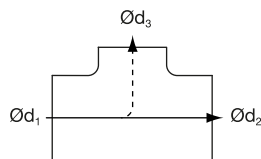
## Technical data

### Pressure loss - supply air

Diverging airflow

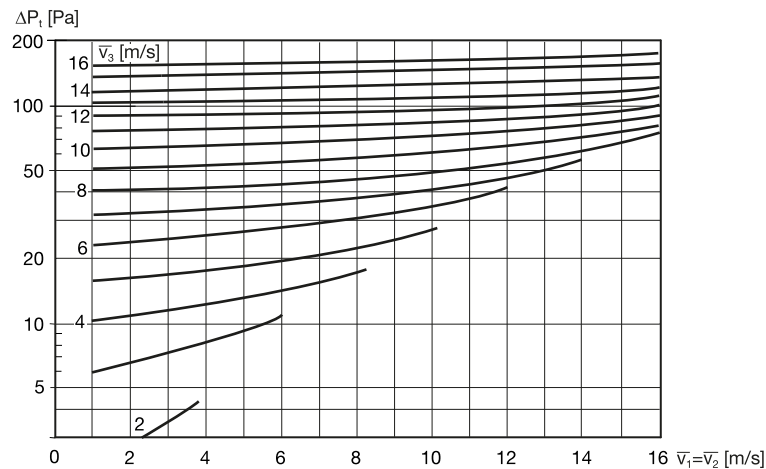
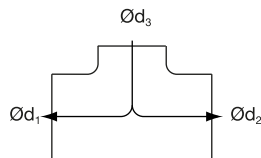


Diverging airflow



The diagram is also applicable to reduction in Ød<sub>2</sub>.

Diverging airflow

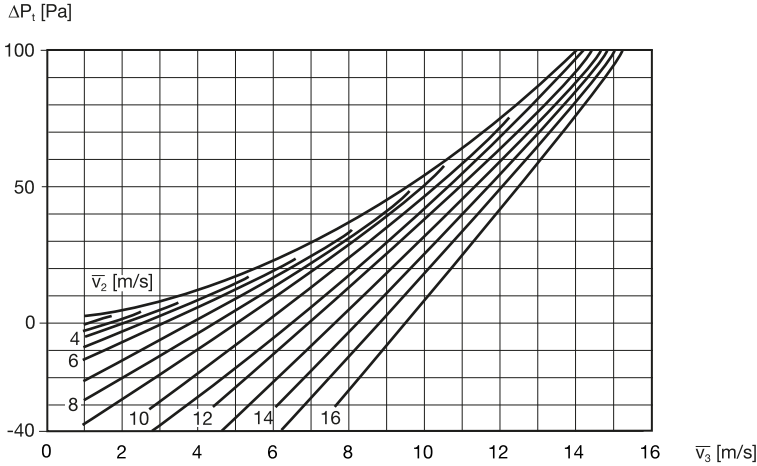
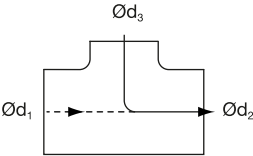


# Saddle

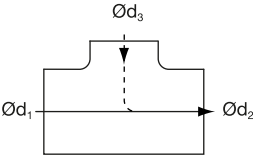
# PSU

## Pressure loss - extract air

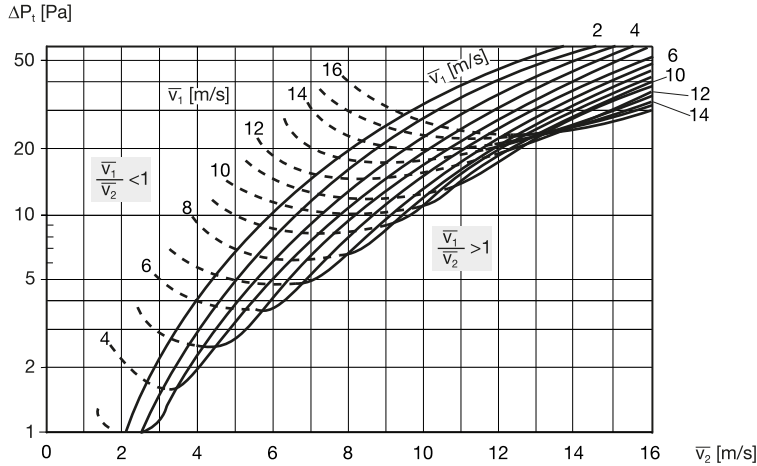
Converging airflow



Converging airflow



The diagram is also applicable to reduction in Ød<sub>1</sub>.



Converging airflow

