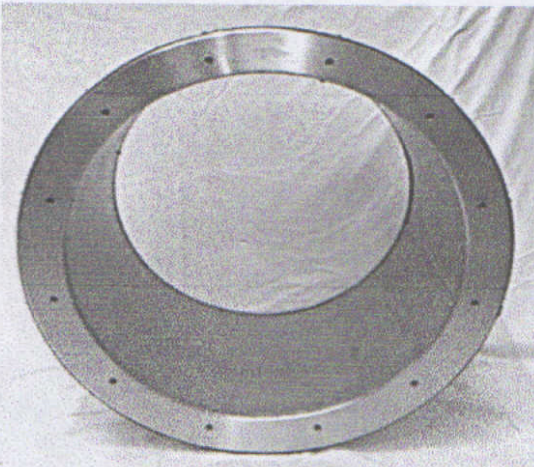


| F SE-<br>RIES<br>SIZE<br>ONLY | EXCLUDING POD KIT     |     |     |     |      |      |      |      | INCLUDING FITTED POD  |     |     |     |      |      |      |      |
|-------------------------------|-----------------------|-----|-----|-----|------|------|------|------|-----------------------|-----|-----|-----|------|------|------|------|
|                               | CENTRE BAND FREQUENCY |     |     |     |      |      |      |      | CENTRE BAND FREQUENCY |     |     |     |      |      |      |      |
|                               | 63                    | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | 63                    | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| F0250-1                       | 1                     | 2   | 2   | 8   | 10   | 8    | 8    | 7    | 2                     | 6   | 8   | 13  | 21   | 24   | 22   | 18   |
| F0250-2                       | 1                     | 3   | 4   | 13  | 18   | 12   | 12   | 10   | 3                     | 12  | 13  | 23  | 29   | 29   | 19   | 20   |
| F0315-1                       | 1                     | 2   | 4   | 9   | 11   | 10   | 9    | 7    | 2                     | 7   | 8   | 14  | 22   | 25   | 22   | 19   |
| F0315-2                       | 2                     | 2   | 5   | 13  | 18   | 12   | 11   | 10   | 3                     | 13  | 14  | 23  | 30   | 30   | 20   | 25   |
| F0355-1                       | 2                     | 3   | 5   | 11  | 13   | 11   | 10   | 8    | 2                     | 6   | 8   | 11  | 22   | 24   | 21   | 16   |
| F0355-2                       | 3                     | 4   | 7   | 14  | 18   | 15   | 11   | 10   | 3                     | 10  | 15  | 22  | 29   | 30   | 29   | 22   |
| F0400-1                       | 2                     | 3   | 5   | 10  | 13   | 11   | 9    | 8    | 2                     | 7   | 9   | 15  | 23   | 25   | 21   | 17   |
| F0400-2                       | 3                     | 4   | 8   | 14  | 18   | 14   | 11   | 9    | 3                     | 10  | 14  | 24  | 30   | 29   | 28   | 21   |
| F0450-1                       | 2                     | 3   | 6   | 12  | 13   | 11   | 9    | 7    | 2                     | 6   | 8   | 16  | 23   | 23   | 21   | 16   |
| F0450-2                       | 3                     | 4   | 8   | 17  | 18   | 15   | 11   | 10   | 3                     | 7   | 12  | 22  | 29   | 29   | 25   | 20   |
| F0500-1                       | 2                     | 3   | 6   | 14  | 14   | 12   | 10   | 5    | 2                     | 7   | 9   | 17  | 24   | 24   | 20   | 16   |
| F0500-2                       | 3                     | 7   | 8   | 19  | 20   | 17   | 14   | 11   | 4                     | 10  | 16  | 26  | 29   | 29   | 29   | 20   |
| F0560-1                       | 2                     | 4   | 7   | 14  | 14   | 9    | 9    | 7    | 3                     | 7   | 9   | 18  | 24   | 24   | 20   | 15   |
| F0560-2                       | 3                     | 6   | 10  | 19  | 20   | 14   | 12   | 10   | 4                     | 9   | 17  | 27  | 29   | 28   | 23   | 23   |
| F0630-1                       | 2                     | 5   | 7   | 15  | 13   | 9    | 9    | 8    | 3                     | 5   | 9   | 18  | 25   | 22   | 18   | 13   |
| F0630-2                       | 4                     | 7   | 13  | 21  | 21   | 14   | 13   | 12   | 5                     | 9   | 18  | 28  | 30   | 29   | 24   | 19   |
| F0710-1                       | 3                     | 5   | 9   | 15  | 14   | 10   | 9    | 8    | 3                     | 5   | 10  | 19  | 25   | 22   | 18   | 14   |
| F0710-2                       | 4                     | 9   | 16  | 22  | 23   | 17   | 13   | 9    | 5                     | 9   | 17  | 28  | 29   | 30   | 26   | 20   |
| F0800-1                       | 3                     | 5   | 9   | 16  | 14   | 10   | 8    | 8    | 4                     | 5   | 10  | 15  | 25   | 22   | 19   | 14   |
| F0800-2                       | 4                     | 6   | 10  | 21  | 23   | 17   | 12   | 10   | 5                     | 8   | 18  | 29  | 30   | 29   | 27   | 19   |
| F0900-1                       | 3                     | 5   | 10  | 17  | 15   | 11   | 9    | 8    | 5                     | 6   | 11  | 21  | 23   | 22   | 17   | 13   |
| F0900-2                       | 4                     | 6   | 13  | 22  | 21   | 14   | 12   | 11   | 5                     | 11  | 18  | 29  | 30   | 26   | 19   | 16   |
| F1000-1                       | 4                     | 6   | 11  | 17  | 15   | 11   | 9    | 8    | 5                     | 6   | 13  | 22  | 25   | 21   | 17   | 14   |
| F1000-2                       | 5                     | 10  | 16  | 23  | 23   | 16   | 13   | 11   | 5                     | 10  | 19  | 29  | 30   | 27   | 22   | 18   |

### 'F' SERIES PERFORMANCE DATA

## Fan Mounted Silencers



*No need to telephone for a price if you have a requirement for an intermediate size in length. See price list for price banding*

A Comprehensive range of cylindrical attenuators, matched to fit directly to all types of metric axial fan flanges or to ducting via optional matching flanges. Two alternative sets of threaded inserts are offered for each silencer to match most fan mounting requirements.

The 'F' Series range is available as standard in two lengths, one x diameter and two x diameter.

Excellent attenuation properties are achieved using sound absorbing acoustic infill, which is glass tissue faced as standard to minimize fibre migration and retained within the silencer casing by a perforated liner.

- Standard sizes 250mm to 1250mm diameter
- Special sizes on request (maximum spun diameter 1850mm)
- Supplied fully packaged to suit transport method and destination
- Maximum temperature 200°C
- Maximum pressure 1500 Pa
- Hexagon mounted drillings giving a higher torque to turn ratio as well as significant thermal expansion and contraction properties reducing the risk of free rotation of the fixings

Material and Finish.. *Casing*: galvanized mild steel (BS2989), seams are sealed lockformed type with spun galvanized steel end rings. *Inner lining*: perforated galvanized mild steel (BS2989). *Sound absorbing material*: mineral fibre slabs, faced with glass tissue. Manufactured to HVCA specification DW144 class B and M&E 100 for sheet steel thickness and stiffening.

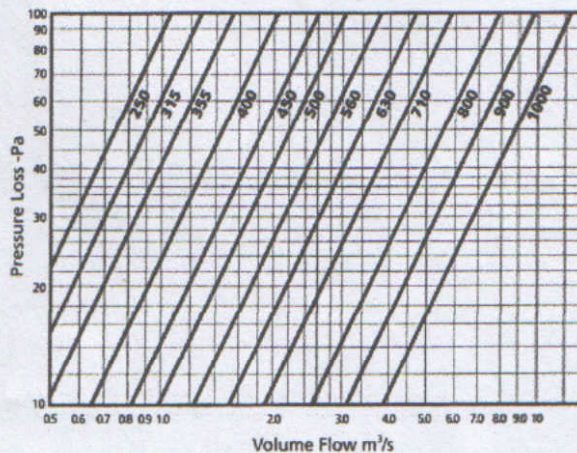
Pod Kits. A pod can be centrally mounted into 'F' Series attenuators, with aerodynamic nose cones on the intake and discharge to minimize noise regeneration and pressure loss. They substantially improve acoustic performance across the entire sound spectrum. These pods can be fitted at the factory prior to dispatch. **Material and finish:-** Central duct; perforated galvanized mild steel (BS2989). *Nose cones;* spun galvanized sheet steel (BS2989).

Melinex Lining. Melinex lining can be offered as an option as apposed to glass tissue where moist or greasy environments exist (e.g. kitchen systems) or for critically clean applications (e.g. hospitals) where the sound absorbing material may be required to be fully sealed by Melinex to prevent any fibre migration. Please note that this will affect the acoustic performance of the silencer.

Accessories A comprehensive range of matching flanges, mounting feet, flexible connectors, anti-vibration mounts are available to complement the silencers. (See section 3 for accessories)

Alternative product specifications. 'F' Series attenuators can be custom manufactured to your own specific requirements covering diameter, length, flange specification, material types, and product finishes.

AIR FLOW PRESSURE LOSS FOR CENTRAL  
PODDED F-SERIES PRODUCTS.



Data shown above is for 1 diameter long units. For 2 diameter long multiply these values by 1.5

**KEY:** A- Inside diameter B- Outside diameter C- Length D- No of holes E- Drillings F- PCD G- No of holes H- Drillings I- PCD

| NOM<br>FAN<br>SIZE<br>DIA | PATTERN A ORDER CODE |               | I/D  | O/<br>D | LGTH | PAT A<br>DRILLINGS |     |      |    | PAT B<br>DRILLINGS |      |     | WEIGHT      |             | PATTERN B ORDER CODE |               |
|---------------------------|----------------------|---------------|------|---------|------|--------------------|-----|------|----|--------------------|------|-----|-------------|-------------|----------------------|---------------|
|                           | WITHOUT<br>POD       | WITH POD      |      |         |      | D                  | E   | F    | G  | H                  | I    |     | EXCL<br>POD | INCL<br>POD | WITH OUT<br>POD      | WITH POD      |
| 250                       | 402-FA0250-1         | 402-FA0250-1P | 250  | 411     | 250  | 8                  | M6  | 286  | 6  | M6                 | 286  | 7   | 9           |             | 402-FB0250-1         | 402-FB0250-1P |
| 250                       | 402-FA0250-2         | 402-FA0250-2P | 250  | 411     | 500  | 8                  | M6  | 286  | 6  | M6                 | 286  | 11  | 13          |             | 402-FB0250-2         | 402-FB0250-2P |
| 315                       | 402-FA0315-1         | 402-FA0315-1P | 315  | 452     | 315  | 8                  | M8  | 355  | 8  | M8                 | 355  | 9   | 11          |             | 402-FB0315-1         | 402-FB0315-1P |
| 315                       | 402-FA0315-2         | 402-FA0315-2P | 315  | 452     | 630  | 8                  | M8  | 355  | 8  | M8                 | 355  | 15  | 17          |             | 402-FB0315-2         | 402-FB0315-2P |
| 355                       | 402-FA0355-1         | 402-FA0355-1P | 355  | 509     | 355  | 8                  | M8  | 395  | 8  | M8                 | 395  | 11  | 13          |             | 402-FB0355-1         | 402-FB0355-1P |
| 355                       | 402-FA0355-2         | 402-FA0355-2P | 355  | 509     | 710  | 8                  | M8  | 395  | 8  | M8                 | 395  | 18  | 21          |             | 402-FB0355-2         | 402-FB0355-2P |
| 400                       | 402-FA0400-1         | 402-FA0400-1P | 400  | 553     | 400  | 8                  | M10 | 450  | 12 | M8                 | 438  | 13  | 16          |             | 402-FB0400-1         | 402-FB0400-1P |
| 400                       | 402-FA0400-2         | 402-FA0400-2P | 400  | 553     | 800  | 8                  | M10 | 450  | 12 | M8                 | 438  | 22  | 26          |             | 402-FB0400-2         | 402-FB0400-2P |
| 450                       | 402-FA0450-1         | 402-FA0450-1P | 450  | 602     | 450  | 8                  | M10 | 500  | 12 | M8                 | 487  | 15  | 18          |             | 402-FB0450-1         | 402-FB0450-1P |
| 450                       | 402-FA0450-2         | 402-FA0450-2P | 450  | 602     | 900  | 8                  | M10 | 500  | 12 | M8                 | 487  | 27  | 31          |             | 402-FB0450-2         | 402-FB0450-2P |
| 500                       | 402-FA0500-1         | 402-FA0500-1P | 500  | 653     | 500  | 12                 | M10 | 560  | 12 | M8                 | 541  | 18  | 22          |             | 402-FB0500-1         | 402-FB0500-1P |
| 500                       | 402-FA0500-2         | 402-FA0500-2P | 500  | 653     | 1000 | 12                 | M10 | 560  | 12 | M8                 | 541  | 32  | 37          |             | 402-FB0500-2         | 402-FB0500-2P |
| 560                       | 402-FA0560-1         | 402-FA0560-1P | 560  | 713     | 560  | 12                 | M10 | 620  | 16 | M10                | 605  | 22  | 26          |             | 402-FB0560-1         | 402-FB0560-1P |
| 560                       | 402-FA0560-2         | 402-FA0560-2P | 560  | 713     | 1120 | 12                 | M10 | 620  | 16 | M10                | 605  | 39  | 46          |             | 402-FB0560-2         | 402-FB0560-2P |
| 630                       | 402-FA0630-1         | 402-FA0630-1P | 630  | 785     | 630  | 12                 | M10 | 690  | 16 | M10                | 674  | 26  | 32          |             | 402-FB0630-1         | 402-FB0630-1P |
| 630                       | 402-FA0630-2         | 402-FA0630-2P | 630  | 785     | 1260 | 12                 | M10 | 690  | 16 | M10                | 674  | 48  | 57          |             | 402-FB0630-2         | 402-FB0630-2P |
| 710                       | 402-FA0710-1         | 402-FA0710-1P | 710  | 864     | 710  | 16                 | M10 | 770  | 16 | M10                | 751  | 32  | 39          |             | 402-FB0710-1         | 402-FB0710-1P |
| 710                       | 402-FA0710-2         | 402-FA0710-2P | 710  | 864     | 1420 | 16                 | M10 | 770  | 16 | M10                | 751  | 59  | 71          |             | 402-FB0710-2         | 402-FB0710-2P |
| 800                       | 402-FA0800-1         | 402-FA0800-1P | 800  | 955     | 800  | 16                 | M10 | 860  | 24 | M10                | 837  | 40  | 49          |             | 402-FB0800-1         | 402-FB0800-1P |
| 800                       | 402-FA0800-2         | 402-FA0800-2P | 800  | 955     | 1600 | 16                 | M10 | 860  | 24 | M10                | 837  | 74  | 90          |             | 402-FB0800-2         | 402-FB0800-2P |
| 900                       | 402-FA0900-1         | 402-FA0900-1P | 900  | 1106    | 900  | 16                 | M12 | 970  | 24 | M10                | 934  | 55  | 67          |             | 402-FB0900-1         | 402-FB0900-1P |
| 900                       | 402-FA0900-2         | 402-FA0900-2P | 900  | 1106    | 1800 | 16                 | M12 | 970  | 24 | M10                | 934  | 102 | 123         |             | 402-FB0900-2         | 402-FB0900-2P |
| 1000                      | 402-FA1000-1         | 402-FA1000-1P | 1000 | 1207    | 1000 | 16                 | M12 | 1070 | 24 | M10                | 1043 | 66  | 82          |             | 402-FB1000-1         | 402-FB1000-1P |
| 1000                      | 402-FA1000-2         | 402-FA1000-2P | 1000 | 1207    | 2000 | 16                 | M12 | 1070 | 24 | M10                | 1043 | 124 | 151         |             | 402-FB1000-2         | 402-FB1000-2P |