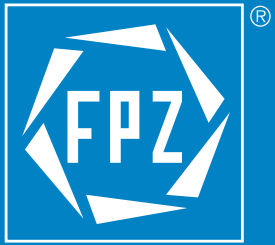


THE COMPLETE RANGE - LA GAMMA COMPLETA - TODA LA GAMA



*the company - la società - la sociedad*  
**THE COMPANY - LA SOCIETA' - LA SOCIEDAD**

[www.fpz.com](http://www.fpz.com)



*Since 1975, FPZ has been supplying on a world-wide basis regenerative/side-channel blowers for the movement of air and gases. From its beginnings, FPZ has always been known for its continual search for innovative solutions; its use of the latest applicable technologies and its commitment to "continuous improvement" in performance, reliability and in the overall quality of not only the products, but in customer service, as well.*



Dal 1975 FPZ produce ed esporta in tutto il mondo soffianti ed aspiratori a canale laterale per la movimentazione di aria e gas. Dalla sua fondazione, FPZ si è sempre distinta per la continua ricerca di soluzioni innovative, l'uso di tecnologie d'avanguardia e per l'incessante impegno volto a migliorare le prestazioni, l'affidabilità e la qualità dei propri prodotti e del proprio servizio.

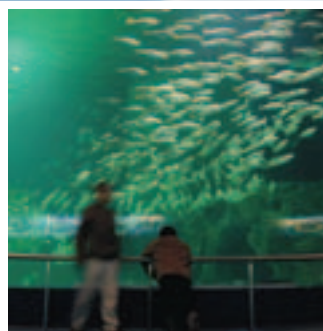


Desde 1975 FPZ Fabrica y exporta a todo el mundo soplantes y aspiradores de canal lateral para el transporte de aire y gases. Desde su fundacion FPZ siempre se ha distinguido por las continuas soluciones innovadoras, el uso de tecnologia de vanguardia y por el incesante empeño en mejorar el rendimiento, la fiabilidad y la calidad del propio producto y del servicio.



*applications - applicazioni - aplicaciones*  
**APPLICATIONS - APPLICAZIONI - APLICACIONES**

*Thousands of FPZ blowers are working in a variety of applications: from commercial to industrial installations, in food processing to pharmaceuticals, from textiles to aerospace, in medical applications to environmental. Wherever efficiency and reliability are needed, FPZ responds with the appropriate product "solution"*



Migliaia di soffianti ed aspiratori FPZ sono applicate nei più svariati settori: dall'artigianale al manifatturiero, dall'alimentare al farmaceutico, dal tessile all'aerospaziale, dal medicale all'agricolo. Ovunque si richieda efficienza ed affidabilità, FPZ risponde con i suoi prodotti



Los soplantes y aspiradores FPZ son aplicados en los mas diversos sectores: del artesanal al manufacturado, del alimentario al farmaceutico, del textil al aeroespacial, del medicinal al agricola. Donde se requiera eficacia y fiabilidad FPZ responde con sus productos





### ***How blowers work***

#### **Principio operativo**

#### **Principio de funcionamiento**

*Blowers have an impeller blade mounted inside a housing. As air passes the inlet port, the impeller blades draw air in and accelerate the air outward and forward. As each impeller blade strikes it, the air moves faster and faster. At the base of the housing an air stripper diverts the air out of the housing reducing the speed and then increasing the pressure*

Le soffianti hanno una girante ad alette montata nel corpo della macchina. Quando l'aria entra nel compressore, essa viene progressivamente accelerata dalla girante stessa ed al completamento di un giro viene spinta - mediante un deviatore interno - verso il silenziatore di mandata, il quale ne riduce la velocità e ne aumenta la pressione

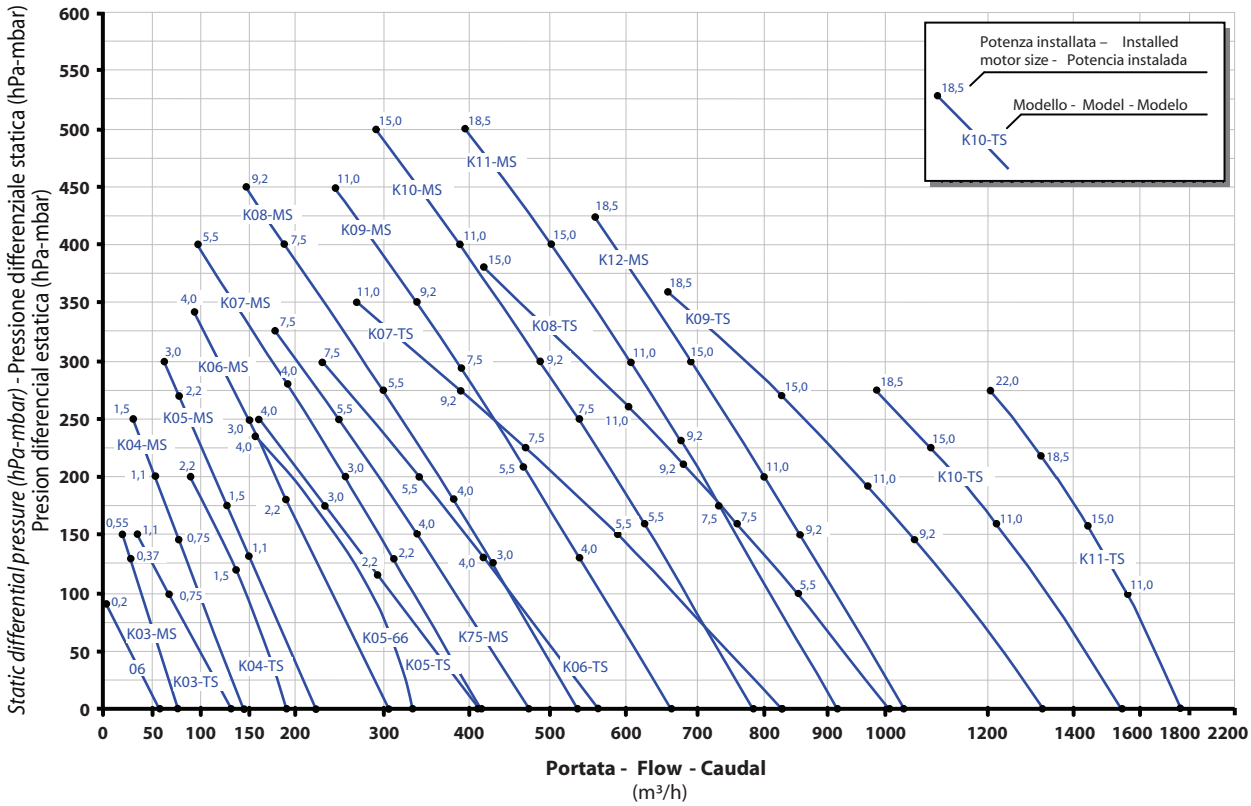
Los soplantes tienen un rodete montado en el eje del motor. Cuando el aire entra en el soplante es arrastrado por las aletas y acelerado en progresión. Al cumplimiento de una vuelta del rodete, en la base del cuerpo hay un desviador de flujo de aire hacia el silenciador, el cual reduce la velocidad del aire y aumenta la presión



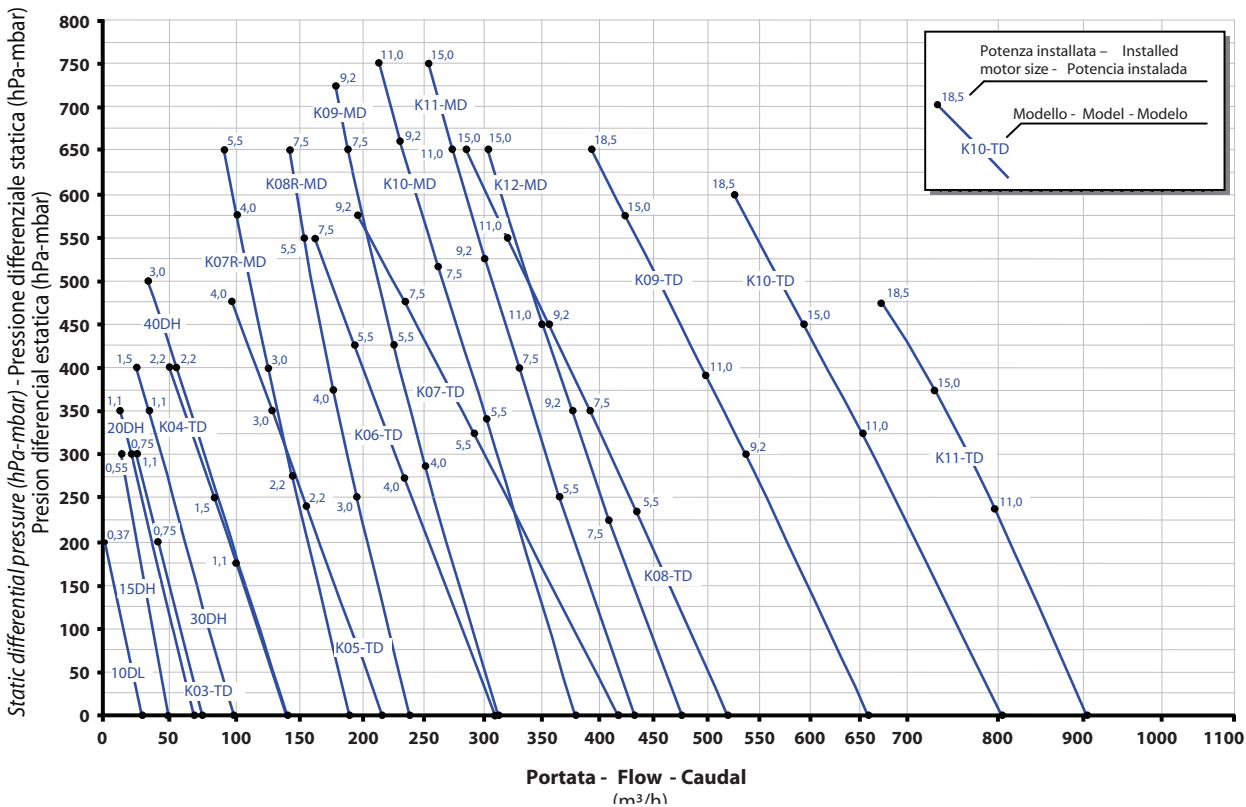
technical features - caratteristiche tecniche - características

| Model<br>Modello<br>Modelo | Max flow<br>Portata max<br>Caudal max |      | Flow - Portata - Caudal<br>Installed motor size - Potenza installata - Potencia instalada |      |                     |      |                     |      |                     |      | Max inst. motor size<br>Max potenza installata<br>Potencia instalada max | Maximum differential pressure<br>Max pressione differenziale<br>Presión max diferencial | Noise level/<br>Livello sonoro<br>Nivel de ruido | Connections<br>Connessioni<br>Conexiones | Weight<br>Peso<br>Peso |
|----------------------------|---------------------------------------|------|---|------|---------------------|------|---------------------|------|---------------------|------|--|---|--|--|------------------------|
|                            |                                       |      | + 100 hPa<br>(mbar)   |      | + 200 hPa<br>(mbar) |      | + 400 hPa<br>(mbar) |      | + 600 hPa<br>(mbar) |      |  |   |  |  |                        |
|                            | m <sup>3</sup> /h                     | kW   | m <sup>3</sup> /h   | kW   | m <sup>3</sup> /h   | kW   | m <sup>3</sup> /h   | kW   | m <sup>3</sup> /h   | kW   | [kW]   | [hPa-mbar]  | [db(A)]  | [G"]                                     | [Kg]                   |
| <b>06</b>                  | 55                                    | 0,2  |   |      |                     |      |                     |      |                     |      | 0,2  | 90  | 58,0   | 1  | 6,5                    |
| <b>K03 MS</b>              | 74                                    | 0,37 | 39  | 0,37 |                     |      |                     |      |                     |      | 0,55   | 150   | 60,0   | 1 1/4                                    | 12,0                   |
| <b>K04 MS</b>              | 137                                   | 0,75 | 96  | 0,75 | 55                  | 1,1  |                     |      |                     |      | 1,5  | 250   | 63,0   | 1 1/2                                    | 19,5                   |
| <b>K05 MS</b>              | 219                                   | 1,1  | 166   | 1,1  | 113                 | 2,2  |                     |      |                     |      | 3,0  | 300   | 69,1   | 2  | 30,5                   |
| <b>K06 MS</b>              | 304                                   | 2,2  | 242   | 2,2  | 181                 | 3,0  |                     |      |                     |      | 4,0  | 340   | 71,6   | 2  | 35,2                   |
| <b>K07 MS</b>              | 414                                   | 2,2  | 334   | 2,2  | 255                 | 3,0  | 96                  | 5,5  |                     |      | 5,5  | 400   | 77,3   | 3  | 61,5                   |
| <b>K75 MS</b>              | 477                                   | 4,0  | 384   | 4,0  | 292                 | 5,5  |                     |      |                     |      | 7,5  | 325   | 78,0   | 3  | 67,0                   |
| <b>K08 MS</b>              | 536                                   | 3,0  | 450   | 3,0  | 363                 | 5,5  | 190                 | 7,5  |                     |      | 9,2  | 450   | 78,6   | 3  | 77,5                   |
| <b>K09 MS</b>              | 663                                   | 4,0  | 570   | 4,0  | 477                 | 5,5  | 291                 | 11,0 |                     |      | 11,0   | 450   | 79,0   | 4  | 87,5                   |
| <b>K10 MS</b>              | 782                                   | 5,5  | 684   | 5,5  | 586                 | 7,5  | 389                 | 11,0 |                     |      | 15,0   | 500   | 79,6   | 4  | 95,0                   |
| <b>K11 MS</b>              | 915                                   | 7,5  | 812   | 7,5  | 708                 | 9,2  | 501                 | 15,0 |                     |      | 18,5   | 500   | 83,6   | 4  | 128,5                  |
| <b>K12 MS</b>              | 1022                                  | 9,2  | 912   | 9,2  | 802                 | 11,0 | 583                 | 18,5 |                     |      | 18,5   | 425   | 84,1   | 4  | 132,0                  |
| <b>K03 TS</b>              | 131                                   | 0,75 | 67  | 0,75 |                     |      |                     |      |                     |      | 1,1  | 150   | 69,0   | 1 1/4                                    | 18,7                   |
| <b>K04 TS</b>              | 183                                   | 1,5  | 149   | 1,5  | 85                  | 2,2  |                     |      |                     |      | 2,2  | 200   | 72,5   | 1 1/2                                    | 28,5                   |
| <b>K05 - 66</b>            | 334                                   | 4,0  | 286   | 4,0  | 198                 | 4,0  |                     |      |                     |      | 4,0  | 235   | 74,5   | 2  | 42,9                   |
| <b>K05 TS</b>              | 409                                   | 2,2  | 310   | 2,2  | 210                 | 4,0  |                     |      |                     |      | 4,0  | 250   | 73,5   | 3  | 48,0                   |
| <b>K06 TS</b>              | 563                                   | 4,0  | 452   | 4,0  | 340                 | 5,5  |                     |      |                     |      | 7,5  | 300   | 75,8   | 3  | 71,5                   |
| <b>K07 TS</b>              | 827                                   | 5,5  | 668   | 5,5  | 509                 | 7,5  |                     |      |                     |      | 11,0   | 350   | 82,8   | 4  | 103,5                  |
| <b>K08 TS</b>              | 1007                                  | 5,5  | 851   | 5,5  | 696                 | 9,2  |                     |      |                     |      | 15,0   | 380   | 82,5   | 4  | 113,0                  |
| <b>K09 TS</b>              | 1325                                  | 9,2  | 1139  | 9,2  | 953                 | 15,0 |                     |      |                     |      | 18,5   | 360   | 85,0   | 5  | 158,0                  |
| <b>K10 TS</b>              | 1539                                  | 11,0 | 1337  | 11,0 | 1135                | 15,0 |                     |      |                     |      | 18,5   | 275   | 86,4   | 5  | 163,0                  |
| <b>K11 TS</b>              | 1765                                  | 11,0 | 1560  | 11,0 | 1356                | 18,5 |                     |      |                     |      | 22,0   | 275   | 88,0   | 5  | 186,5                  |
| <b>10 DL</b>               | 30                                    | 0,37 | 15  | 0,37 | 2                   | 0,37 |                     |      |                     |      | 0,37   | 200   | 62,0   | 1/2                                      | 10,0                   |
| <b>15 DH</b>               | 50                                    | 0,55 | 37  | 0,55 | 25                  | 0,55 |                     |      |                     |      | 0,55   | 300   | 62,0   | 3/4                                      | 12,5                   |
| <b>20 DH</b>               | 70                                    | 0,75 | 51  | 0,75 | 35                  | 0,75 |                     |      |                     |      | 1,1  | 350   | 65,0   | 1 1/4                                    | 21,5                   |
| <b>30 DH</b>               | 100                                   | 1,1  | 79  | 1,1  | 61                  | 1,1  | 26                  | 1,5  |                     |      | 1,5  | 400   | 68,0   | 1 1/2                                    | 27,5                   |
| <b>40 DH</b>               | 140                                   | 2,2  | 118   | 2,2  | 95                  | 2,2  | 55                  | 2,2  |                     |      | 3,0  | 500   | 72,0   | 1 1/2                                    | 38,0                   |
| <b>K07R MD</b>             | 181                                   | 2,2  | 165   | 2,2  | 150                 | 2,2  | 122                 | 3,0  | 97                  | 5,5  | 5,5  | 650   | 73,0   | 2  | 61,0                   |
| <b>K08R MD</b>             | 236                                   | 3,0  | 219   | 3,0  | 202                 | 3,0  | 173                 | 5,5  | 148                 | 7,5  | 7,5  | 650   | 75,0   | 2  | 68,5                   |
| <b>K09 MD</b>              | 311                                   | 4,0  | 288   | 4,0  | 268                 | 4,0  | 229                 | 5,5  | 196                 | 7,5  | 9,2  | 725   | 78,5   | 4  | 90,5                   |
| <b>K10 MD</b>              | 387                                   | 5,5  | 358   | 5,5  | 331                 | 5,5  | 283                 | 7,5  | 242                 | 9,2  | 11,0   | 750   | 79,4   | 4  | 92,5                   |
| <b>K11 MD</b>              | 431                                   | 5,5  | 402   | 5,5  | 375                 | 5,5  | 325                 | 7,5  | 282                 | 11,0 | 15,0   | 750   | 80,0   | 4  | 108,0                  |
| <b>K12 MD</b>              | 473                                   | 7,5  | 446   | 7,5  | 419                 | 7,5  | 367                 | 11,0 | 317                 | 15,0 | 15,0   | 650   | 80,9   | 4  | 111,5                  |
| <b>K03 TD</b>              | 73                                    | 0,75 | 55  | 0,75 | 37                  | 0,75 |                     |      |                     |      | 1,1  | 300   | 66,0   | 1 1/4                                    | 19,7                   |
| <b>K04 TD</b>              | 140                                   | 1,1  | 117   | 1,1  | 95                  | 1,5  | 49                  | 2,2  |                     |      | 2,2  | 400   | 70,0   | 1 1/2                                    | 29,5                   |
| <b>K05 TD</b>              | 215                                   | 2,2  | 190   | 2,2  | 164                 | 2,2  | 114                 | 4,0  |                     |      | 4,0  | 475   | 74,0   | 2  | 43,5                   |
| <b>K06 TD</b>              | 312                                   | 4,0  | 284   | 4,0  | 256                 | 4,0  | 199                 | 5,5  |                     |      | 7,5  | 550   | 75,0   | 2  | 61,5                   |
| <b>K07 TD</b>              | 417                                   | 5,5  | 378   | 5,5  | 340                 | 5,5  | 263                 | 7,5  |                     |      | 9,2  | 575   | 79,5   | 3  | 99,5                   |
| <b>K08 TD</b>              | 518                                   | 5,5  | 482   | 5,5  | 446                 | 5,5  | 374                 | 9,2  | 302                 | 15,0 | 15,0   | 650   | 80,3   | 3  | 110,5                  |
| <b>K09 TD</b>              | 657                                   | 9,2  | 617   | 9,2  | 576                 | 9,2  | 495                 | 15,0 | 413                 | 18,5 | 18,5   | 650   | 81,3   | 4  | 157,0                  |
| <b>K10 TD</b>              | 804                                   | 11,0 | 757   | 11,0 | 710                 | 11,0 | 617                 | 15,0 | 523                 | 18,5 | 18,5   | 600   | 85,2   | 4  | 165,0                  |
| <b>K11 TD</b>              | 903                                   | 11,0 | 856   | 11,0 | 810                 | 11,0 | 717                 | 18,5 |                     |      | 18,5   | 475   | 85,9   | 4  | 172,0                  |

**K MS/TS**



**K MD/TD - DL/DH**

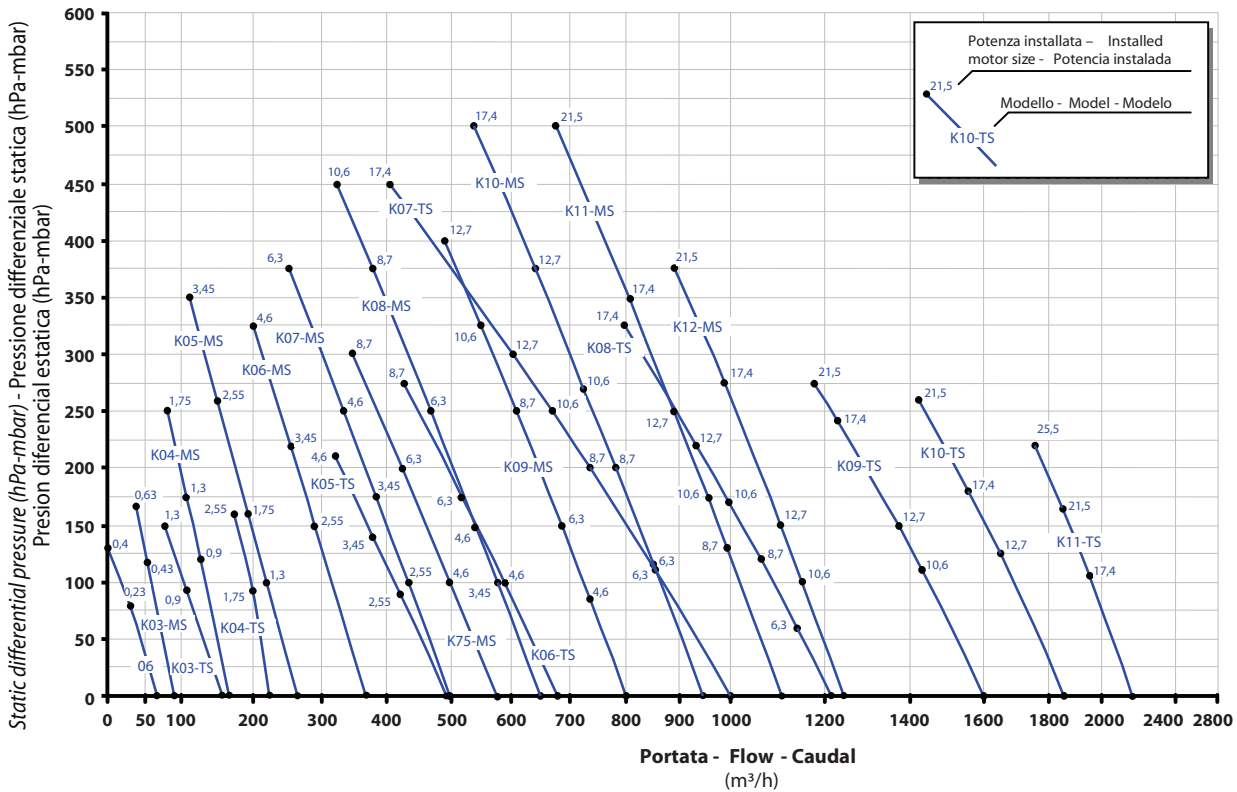


Performances referred to air at 20°C temperature, and 1013 mbar (abs) atmospheric backpressure measured at inlet port  
 Curve riferite ad aria con temperatura di 20°C e pressione atmosferica di 1013 mbar (ass.) misurata alla bocca di aspirazione  
 Curvas referidas a aire con temperatura de 20°C, y presion atmosferica de 1013mbar (abs) medida en la boca de aspiracion

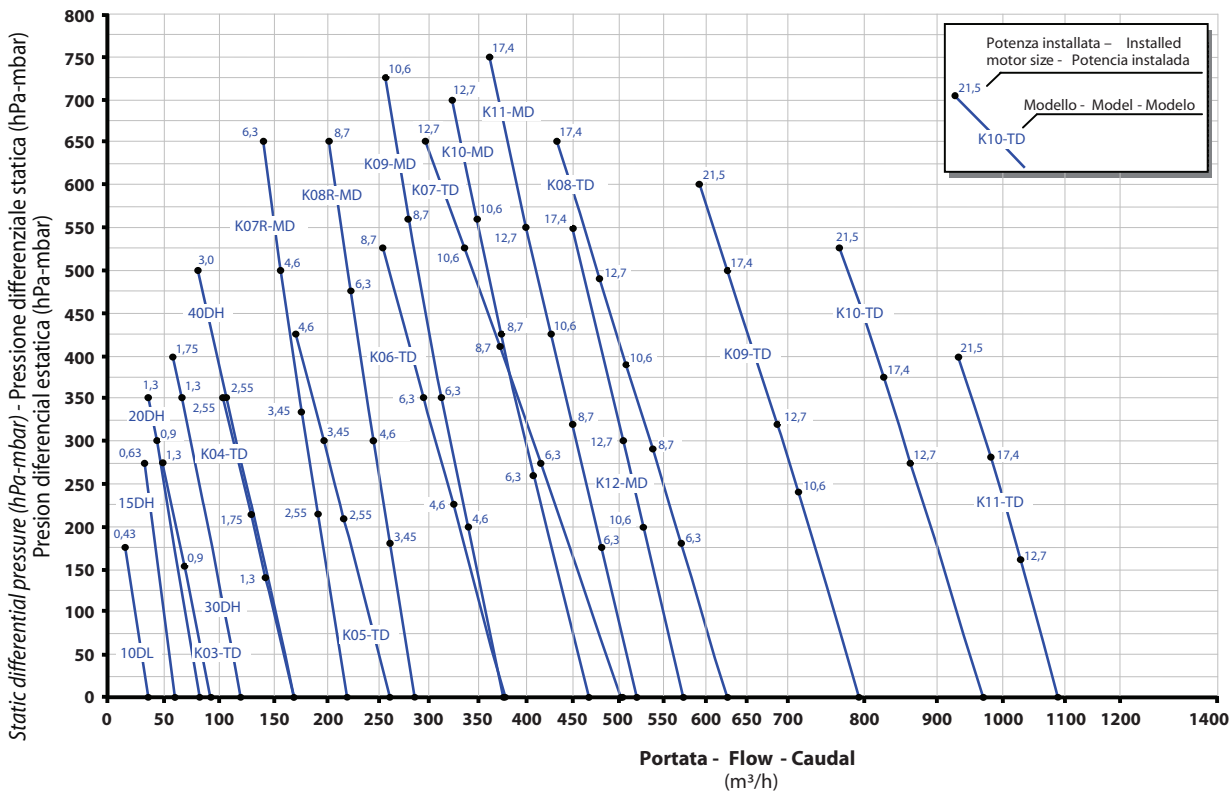
technical features - caratteristiche tecniche - características

| Model<br>Modello<br>Modelo | Flow - Portata - Caudal<br>Installed motor size - Potenza installata - Potencia instalada |      |                     |      |                     |      |                     |      |                     |      | Max inst. motor size<br>Max potenza installata<br>Potencia instalada max | Maximum differential pressure<br>Max pressione differenziale<br>Presión max diferencial | Noise level<br>Livello sonoro<br>Nivel de ruido | Connections<br>Connessioni<br>Conexiones | Weight<br>Peso<br>Peso |
|----------------------------|---|------|---------------------|------|---------------------|------|---------------------|------|---------------------|------|--|---|---|--|------------------------|
|                            | Max flow<br>Portata max<br>Caudal max   |      | + 100 hPa<br>(mbar) |      | + 200 hPa<br>(mbar) |      | + 400 hPa<br>(mbar) |      | + 600 hPa<br>(mbar) |      |  |   |   |  |                        |
|                            | m <sup>3</sup> /h   | kW   | m <sup>3</sup> /h   | kW   | m <sup>3</sup> /h   | kW   | m <sup>3</sup> /h   | kW   | m <sup>3</sup> /h   | kW   |  |   |   |  |                        |
| 06                         | 66  | 0,23 | 24                  | 0,4  |                     |      |                     |      |                     |      | 0,4  | 130   | 59,0  | 1  | 7,1                    |
| K03 MS                     | 89  | 0,43 | 60                  | 0,43 |                     |      |                     |      |                     |      | 0,63   | 170   | 62,0  | 1 1/4                                    | 12,0                   |
| K04 MS                     | 166   | 0,9  | 132                 | 0,9  | 98                  | 1,75 |                     |      |                     |      | 1,75   | 250   | 65,0  | 1 1/2                                    | 19,5                   |
| K05 MS                     | 265   | 1,3  | 221                 | 1,3  | 177                 | 2,55 |                     |      |                     |      | 3,45   | 350   | 71,1  | 2  | 30,5                   |
| K06 MS                     | 366   | 2,55 | 315                 | 2,55 | 265                 | 3,45 |                     |      |                     |      | 4,6  | 325   | 73,6  | 2  | 35,2                   |
| K07 MS                     | 500   | 2,55 | 433                 | 2,55 | 367                 | 4,6  | 236                 | 8,7  |                     |      | 6,3  | 375   | 79,3  | 3  | 61,5                   |
| K75 MS                     | 576   | 4,6  | 499                 | 4,6  | 422                 | 6,3  | 268                 | 10,6 |                     |      | 8,7  | 300   | 80,0  | 3  | 67,0                   |
| K08 MS                     | 647   | 3,45 | 575                 | 3,45 | 504                 | 6,3  | 360                 | 10,6 |                     |      | 10,6   | 450   | 80,6  | 3  | 77,5                   |
| K09 MS                     | 800   | 4,6  | 723                 | 6,3  | 646                 | 8,7  | 492                 | 12,7 |                     |      | 12,7   | 400   | 81,0  | 4  | 87,5                   |
| K10 MS                     | 944   | 6,3  | 863                 | 6,3  | 781                 | 8,7  | 618                 | 17,4 |                     |      | 17,4   | 500   | 81,6  | 4  | 95,0                   |
| K11 MS                     | 1105  | 8,7  | 1019                | 8,7  | 933                 | 12,7 | 761                 | 21,5 |                     |      | 21,5   | 500   | 85,6  | 4  | 128,5                  |
| K12 MS                     | 1234  | 10,6 | 1143                | 10,6 | 1052                | 17,4 |                     |      |                     |      | 21,5   | 375   | 86,1  | 4  | 132,0                  |
| K03 TS                     | 158   | 0,9  | 105                 | 1,3  |                     |      |                     |      |                     |      | 1,3  | 150   | 71,0  | 1 1/4                                    | 18,7                   |
| K04 TS                     | 220   | 1,75 | 197                 | 2,55 |                     |      |                     |      |                     |      | 2,55   | 160   | 74,5  | 1 1/2                                    | 28,5                   |
| K05 TS                     | 493   | 2,55 | 411                 | 3,45 | 329                 | 4,6  |                     |      |                     |      | 4,6  | 210   | 75,5  | 3  | 48,0                   |
| K06 TS                     | 679   | 4,6  | 587                 | 4,6  | 495                 | 8,7  |                     |      |                     |      | 8,7  | 275   | 77,8  | 3  | 71,5                   |
| K07 TS                     | 998   | 6,3  | 867                 | 6,3  | 735                 | 8,7  | 471                 | 17,4 |                     |      | 17,4   | 450   | 85,1  | 4  | 109,5                  |
| K08 TS                     | 1215  | 6,3  | 1086                | 8,7  | 957                 | 12,7 |                     |      |                     |      | 17,4   | 325   | 84,5  | 4  | 113,0                  |
| K09 TS                     | 1600  | 10,6 | 1445                | 10,6 | 1291                | 17,4 |                     |      |                     |      | 21,5   | 275   | 87,0  | 5  | 158,0                  |
| K10 TS                     | 1858  | 12,7 | 1690                | 12,7 | 1522                | 21,5 |                     |      |                     |      | 21,5   | 260   | 88,4  | 5  | 163,0                  |
| K11 TS                     | 2130  | 17,4 | 1960                | 17,4 | 1791                | 25,5 |                     |      |                     |      | 25,5   | 220   | 90,0  | 5  | 186,5                  |
| 10 DL                      | 35  | 0,43 | 24                  | 0,43 |                     |      |                     |      |                     |      | 0,43   | 175   | 64,0  | 1/2                                      | 10,0                   |
| 15 DH                      | 58  | 0,63 | 49                  | 0,63 | 39                  | 0,63 |                     |      |                     |      | 0,63   | 275   | 64,0  | 3/4                                      | 12,5                   |
| 20 DH                      | 82  | 0,9  | 68                  | 0,9  | 55                  | 0,9  |                     |      |                     |      | 1,3  | 350   | 68,0  | 1 1/4                                    | 21,5                   |
| 30 DH                      | 118   | 1,3  | 103                 | 1,3  | 88                  | 1,3  | 57                  | 1,75 |                     |      | 1,75   | 400   | 70,0  | 1 1/2                                    | 26,5                   |
| 40 DH                      | 165   | 2,55 | 150                 | 2,55 | 132                 | 2,55 | 97                  | 3,0  |                     |      | 3,0  | 500   | 75,0  | 1 1/2                                    | 36,5                   |
| K07R MD                    | 219   | 2,55 | 205                 | 2,55 | 192                 | 2,55 | 168                 | 4,6  | 145                 | 6,3  | 6,3  | 650   | 75,0  | 2  | 61,0                   |
| K08R MD                    | 285   | 3,45 | 270                 | 3,45 | 256                 | 4,6  | 230                 | 6,3  | 206                 | 8,7  | 8,7  | 650   | 77,0  | 2  | 68,5                   |
| K09 MD                     | 375   | 4,6  | 356                 | 4,6  | 339                 | 4,6  | 305                 | 8,7  | 274                 | 10,6 | 10,6   | 725   | 80,5  | 4  | 90,5                   |
| K10 MD                     | 467   | 6,3  | 443                 | 6,3  | 420                 | 6,3  | 377                 | 8,7  | 339                 | 12,7 | 12,7   | 700   | 81,4  | 4  | 92,5                   |
| K11 MD                     | 520   | 6,3  | 496                 | 6,3  | 473                 | 8,7  | 429                 | 10,6 | 389                 | 17,4 | 17,4   | 750   | 82,0  | 4  | 108,0                  |
| K12 MD                     | 570   | 10,6 | 548                 | 10,6 | 526                 | 10,6 | 482                 | 17,4 |                     |      | 17,4   | 550   | 82,9  | 4  | 111,5                  |
| K03 TD                     | 88  | 0,9  | 73                  | 0,9  | 58                  | 0,9  |                     |      |                     |      | 1,3  | 275   | 68,0  | 1 1/4                                    | 19,7                   |
| K04 TD                     | 169   | 1,3  | 150                 | 1,3  | 131                 | 1,75 |                     |      |                     |      | 2,55   | 350   | 72,0  | 1 1/2                                    | 29,5                   |
| K05 TD                     | 260   | 2,55 | 239                 | 2,55 | 218                 | 2,55 | 176                 | 4,6  |                     |      | 4,6  | 425   | 76,0  | 2  | 43,5                   |
| K06 TD                     | 377   | 4,6  | 353                 | 4,6  | 330                 | 4,6  | 283                 | 8,7  |                     |      | 8,7  | 525   | 77,0  | 2  | 61,5                   |
| K07 TD                     | 503   | 6,3  | 471                 | 6,3  | 439                 | 6,3  | 375                 | 8,7  | 311                 | 12,7 | 12,7   | 650   | 81,8  | 3  | 100,5                  |
| K08 TD                     | 625   | 6,3  | 595                 | 6,3  | 566                 | 8,7  | 506                 | 12,7 | 446                 | 17,4 | 17,4   | 650   | 82,3  | 3  | 110,5                  |
| K09 TD                     | 793   | 10,6 | 760                 | 10,6 | 726                 | 10,6 | 658                 | 17,4 | 591                 | 21,5 | 21,5   | 650   | 83,3  | 4  | 157,0                  |
| K10 TD                     | 971   | 12,7 | 932                 | 12,7 | 893                 | 12,7 | 815                 | 21,5 |                     |      | 21,5   | 525   | 87,2  | 4  | 165,0                  |
| K11 TD                     | 1090  | 12,7 | 1028                | 12,7 | 1013                | 17,4 | 935                 | 21,5 |                     |      | 21,5   | 400   | 87,9  | 4  | 172,0                  |


**K MS/TS**



**K MD/TD - DH**



Performances referred to air at 20°C temperature, and 1013 mbar (abs) atmospheric backpressure measured at inlet port  
 Curve riferite ad aria con temperatura di 20°C e pressione atmosferica di 1013 mbar (ass.) misurata alla bocca di aspirazione  
 Curvas referidas a aire con temperatura de 20°C, y presion atmosferica de 1013mbar (abs) medida en la boca de aspiracion



***Advantages of side channel blowers/vacuum pumps***  
**I vantaggi delle soffianti/pompe per vuoto a canale laterale**  
**Las ventajas de los soplantes/bombas de vacío a canal lateral**

- *Compact execution*
- *Simple concept*
- *Reduced maintenance costs*
- *Modular design*
- *Pulsation and oil free air*
  
- Dimensioni compatte
- Concetto costruttivo semplice
- Costi di manutenzione ridotti
- Estrema modularità
- Aria esente da pulsazioni e priva di olio
  
- Ejecucion compacta
- Concepto constructivo simple
- Gastos de mantenimiento minimos
- Gran flexibilidad
- Aire exento de aceite y sin pulsaciones





**MS**

*single impeller - single stage*  
mono ruota - singolo stadio  
mono rodete - mono etapa

***vacuum pumps***  
**pompe per vuoto**  
**bombas de vacio**



**TS**

*twin impeller - single stage*  
doppia ruota - singolo stadio  
doble rodete - mono etapa



**MD**

*single impeller - double stage*  
mono ruota - doppio stadio  
mono rodete - doble etapa

*twin impeller - double stage*  
doppia ruota - doppio stadio  
doble rodete - dobla etapa

**TD**



vacuum pumps - pompe per vuoto - bombas de vacio

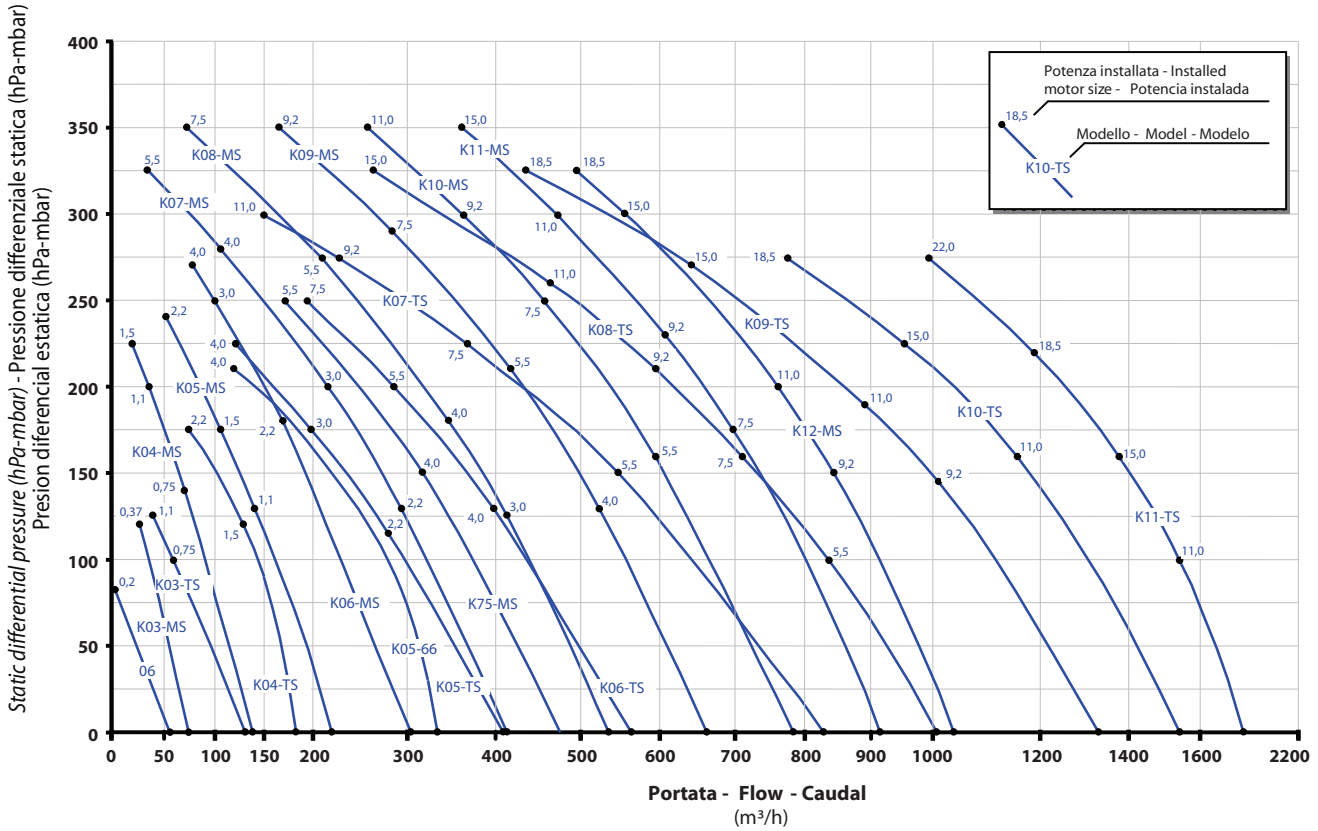
technical features - caratteristiche tecniche - características

| Model<br>Modello<br>Modelo | Max flow<br>Portata max<br>Caudal max |      | Flow - Portata - Caudal<br>Installed motor size - Potenza installata - Potencia instalada |      |                     |      |                     |      |                     |      | Max inst. motor size<br>Max potenza installata<br>Potencia instalada max | Maximum differential pressure<br>Max pressione differenziale<br>Presión max diferencial | Noise level/<br>Livello sonoro<br>Nivel de ruido | Connections<br>Connessioni<br>Conexiones | Weight<br>Peso<br>Peso |
|----------------------------|---------------------------------------|------|---|------|---------------------|------|---------------------|------|---------------------|------|--|---|--|--|------------------------|
|                            |                                       |      | - 100 hPa<br>(mbar)   |      | - 200 hPa<br>(mbar) |      | - 300 hPa<br>(mbar) |      | - 400 hPa<br>(mbar) |      |  |   |  |  |                        |
|                            | m <sup>3</sup> /h                     | kW   | m <sup>3</sup> /h   | kW   | m <sup>3</sup> /h   | kW   | m <sup>3</sup> /h   | kW   | m <sup>3</sup> /h   | kW   | [kW]   | [hPa-mbar]  | [db(A)]  | [G"]                                     | [Kg]                   |
| <b>06</b>                  | 55                                    | 0,2  |   |      |                     |      |                     |      |                     |      | 0,2  | 82  | 58,0   | 1  | 6,5                    |
| <b>K03 MS</b>              | 74                                    | 0,37 | 35  | 0,37 |                     |      |                     |      |                     |      | 0,37   | 120   | 58,7   | 1 1/4                                    | 11,0                   |
| <b>K04 MS</b>              | 137                                   | 0,75 | 92  | 0,75 | 35                  | 1,1  |                     |      |                     |      | 1,5  | 225   | 62,0   | 1 1/2                                    | 19,5                   |
| <b>K05 MS</b>              | 219                                   | 1,1  | 160   | 1,1  | 87                  | 2,2  |                     |      |                     |      | 2,2  | 240   | 67,8   | 2  | 26,5                   |
| <b>K06 MS</b>              | 304                                   | 2,2  | 235   | 2,2  | 151                 | 3,0  |                     |      |                     |      | 4,0  | 270   | 70,6   | 2  | 35,2                   |
| <b>K07 MS</b>              | 414                                   | 2,2  | 325   | 2,2  | 216                 | 3,0  | 75                  | 5,5  |                     |      | 5,5  | 325   | 76,3   | 3  | 61,5                   |
| <b>K75 MS</b>              | 477                                   | 4,0  | 374   | 4,0  | 246                 | 5,5  |                     |      |                     |      | 5,5  | 250   | 76,7   | 3  | 62,0                   |
| <b>K08 MS</b>              | 536                                   | 3,0  | 440   | 3,0  | 320                 | 5,5  | 167                 | 7,5  |                     |      | 7,5  | 350   | 77,4   | 3  | 68,0                   |
| <b>K09 MS</b>              | 663                                   | 4,0  | 559   | 4,0  | 431                 | 5,5  | 267                 | 9,2  |                     |      | 9,2  | 350   | 77,8   | 4  | 87,0                   |
| <b>K10 MS</b>              | 782                                   | 5,5  | 673   | 5,5  | 537                 | 7,5  | 364                 | 9,2  |                     |      | 11,0   | 350   | 78,5   | 4  | 90,0                   |
| <b>K11 MS</b>              | 915                                   | 7,5  | 800   | 7,5  | 657                 | 9,2  | 474                 | 11,0 |                     |      | 15,0   | 350   | 81,8   | 4  | 98,5                   |
| <b>K12 MS</b>              | 1022                                  | 9,2  | 900   | 9,2  | 749                 | 11,0 | 554                 | 15,0 |                     |      | 18,5   | 325   | 85,2   | 4  | 132,0                  |
| <b>K03 TS</b>              | 131                                   | 0,75 | 60  | 0,75 |                     |      |                     |      |                     |      | 1,1  | 125   | 68,6   | 1 1/4                                    | 18,7                   |
| <b>K04 TS</b>              | 183                                   | 1,5  | 144   | 1,5  |                     |      |                     |      |                     |      | 2,2  | 175   | 72,1   | 1 1/2                                    | 28,5                   |
| <b>K05 - 66</b>            | 334                                   | 4,0  | 279   | 4,0  | 140                 | 4,0  |                     |      |                     |      | 4,0  | 210   | 74,5   | 2  | 42,9                   |
| <b>K05 TS</b>              | 409                                   | 2,2  | 299   | 2,2  | 162                 | 4,0  |                     |      |                     |      | 4,0  | 225   | 73,1   | 3  | 48,0                   |
| <b>K06 TS</b>              | 563                                   | 4,0  | 439   | 4,0  | 286                 | 5,5  |                     |      |                     |      | 7,5  | 250   | 75,4   | 3  | 71,5                   |
| <b>K07 TS</b>              | 827                                   | 5,5  | 651   | 5,5  | 431                 | 7,5  | 150                 | 11,0 |                     |      | 11,0   | 300   | 83,4   | 4  | 103,5                  |
| <b>K08 TS</b>              | 1007                                  | 5,5  | 830   | 5,5  | 611                 | 9,2  | 329                 | 15,0 |                     |      | 15,0   | 325   | 81,1   | 4  | 113,0                  |
| <b>K09 TS</b>              | 1325                                  | 9,2  | 1119  | 9,2  | 862                 | 15,0 | 533                 | 18,5 |                     |      | 18,5   | 325   | 86,1   | 5  | 158,0                  |
| <b>K10 TS</b>              | 1539                                  | 11,0 | 1315  | 11,0 | 1035                | 15,0 |                     |      |                     |      | 18,5   | 275   | 87,7   | 5  | 163,0                  |
| <b>K11 TS</b>              | 1765                                  | 11,0 | 1538  | 11,0 | 1256                | 18,5 |                     |      |                     |      | 22,0   | 275   | 89,3   | 5  | 186,5                  |
| <b>10 DL</b>               | 30                                    | 0,37 | 14  | 0,37 |                     |      |                     |      |                     |      | 0,37   | 150   | 62,0   | 1/2                                      | 10,0                   |
| <b>15 DH</b>               | 50                                    | 0,55 | 36  | 0,55 | 20                  | 0,55 |                     |      |                     |      | 0,55   | 275   | 62,0   | 3/4                                      | 12,5                   |
| <b>20 DH</b>               | 70                                    | 0,75 | 50  | 0,75 | 29                  | 0,75 |                     |      |                     |      | 0,75   | 250   | 65,0   | 1 1/4                                    | 20,0                   |
| <b>30 DH</b>               | 100                                   | 1,1  | 78  | 1,1  | 53                  | 1,1  | 20                  | 1,1  |                     |      | 1,1  | 300   | 68,0   | 1 1/2                                    | 26,5                   |
| <b>40 DH</b>               | 140                                   | 2,2  | 116   | 2,2  | 87                  | 2,2  | 49                  | 2,2  |                     |      | 2,2  | 350   | 72,0   | 1 1/2                                    | 34,0                   |
| <b>K07R MD</b>             | 181                                   | 2,2  | 164   | 2,2  | 143                 | 2,2  | 118                 | 3,0  | 90                  | 3,0  | 4,0  | 450   | 71,5   | 2  | 50,5                   |
| <b>K08R MD</b>             | 236                                   | 3,0  | 217   | 3,0  | 194                 | 3,0  | 169                 | 4,0  | 142                 | 5,5  | 5,5  | 450   | 74,1   | 2  | 63,5                   |
| <b>K09 MD</b>              | 311                                   | 4,0  | 286   | 4,0  | 258                 | 4,0  | 225                 | 5,5  | 187                 | 5,5  | 7,5  | 475   | 77,0   | 4  | 81,0                   |
| <b>K10 MD</b>              | 387                                   | 5,5  | 355   | 5,5  | 319                 | 5,5  | 277                 | 5,5  | 231                 | 7,5  | 7,5  | 500   | 78,7   | 4  | 82,5                   |
| <b>K11 MD</b>              | 431                                   | 5,5  | 399   | 5,5  | 362                 | 5,5  | 319                 | 7,5  | 270                 | 7,5  | 9,2  | 500   | 79,0   | 4  | 105,5                  |
| <b>K12 MD</b>              | 473                                   | 7,5  | 443   | 7,5  | 406                 | 7,5  | 360                 | 9,2  | 301                 | 11,0 | 11,0   | 450   | 80,2   | 4  | 109,5                  |
| <b>K03 TD</b>              | 73                                    | 0,75 | 53  | 0,75 | 29                  | 0,75 |                     |      |                     |      | 0,75   | 200   | 64,1   | 1 1/4                                    | 19,0                   |
| <b>K04 TD</b>              | 140                                   | 1,1  | 115   | 1,1  | 83                  | 1,5  |                     |      |                     |      | 2,2  | 275   | 69,6   | 1 1/2                                    | 29,5                   |
| <b>K05 TD</b>              | 215                                   | 2,2  | 187   | 2,2  | 152                 | 2,2  | 107                 | 3,0  | 48                  | 4,0  | 4,0  | 400   | 73,6   | 2  | 43,5                   |
| <b>K06 TD</b>              | 312                                   | 4,0  | 281   | 4,0  | 242                 | 4,0  | 192                 | 5,5  | 125                 | 5,5  | 5,5  | 400   | 74,6   | 2  | 56,5                   |
| <b>K07 TD</b>              | 417                                   | 5,5  | 374   | 5,5  | 321                 | 5,5  | 253                 | 5,5  | 163                 | 7,5  | 7,5  | 425   | 76,9   | 3  | 90,0                   |
| <b>K08 TD</b>              | 518                                   | 5,5  | 478   | 5,5  | 428                 | 5,5  | 365                 | 7,5  | 281                 | 9,2  | 9,2  | 450   | 77,6   | 3  | 105,0                  |
| <b>K09 TD</b>              | 657                                   | 9,2  | 612   | 9,2  | 556                 | 9,2  | 484                 | 9,2  | 389                 | 15,0 | 15,0   | 450   | 80,5   | 4  | 130,0                  |
| <b>K10 TD</b>              | 804                                   | 11,0 | 752   | 11,0 | 687                 | 11,0 | 604                 | 11,0 | 495                 | 15,0 | 18,5   | 500   | 84,5   | 4  | 165,0                  |
| <b>K11 TD</b>              | 903                                   | 11,0 | 851   | 11,0 | 787                 | 11,0 | 704                 | 15,0 | 595                 | 18,5 | 18,5   | 450   | 85,2   | 4  | 172,0                  |

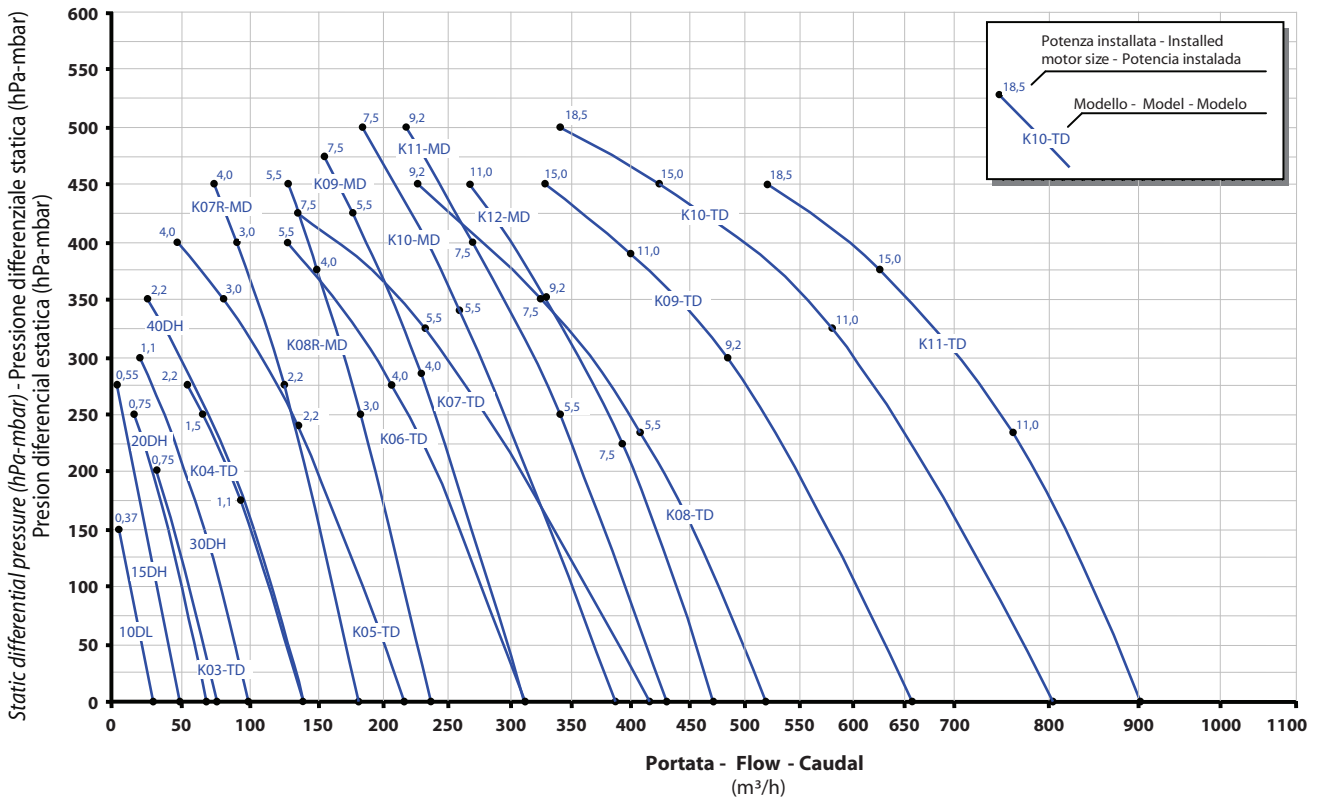
# vacuum curves - curve in vuoto - curvas de vacío **50 Hz**

## VACUUM CURVES - CURVE IN VUOTO - CURVAS DE VACIO

### K MS/TS



### K MD/TD - DL/DH



Performances referred to air at 20°C temperature, measured at inlet port and 1013 mbar (abs) atmospheric backpressure  
 Curve riferite ad aria con temperatura di 20°C misurata alla bocca di aspirazione e una contropressione atmosferica di 1013 mbar (ass.)  
 Curvas referidas a aire con temperatura de 20°C, medida en la boca de aspiracion y contrapresion atmosferica de 1013 mbar (abs)

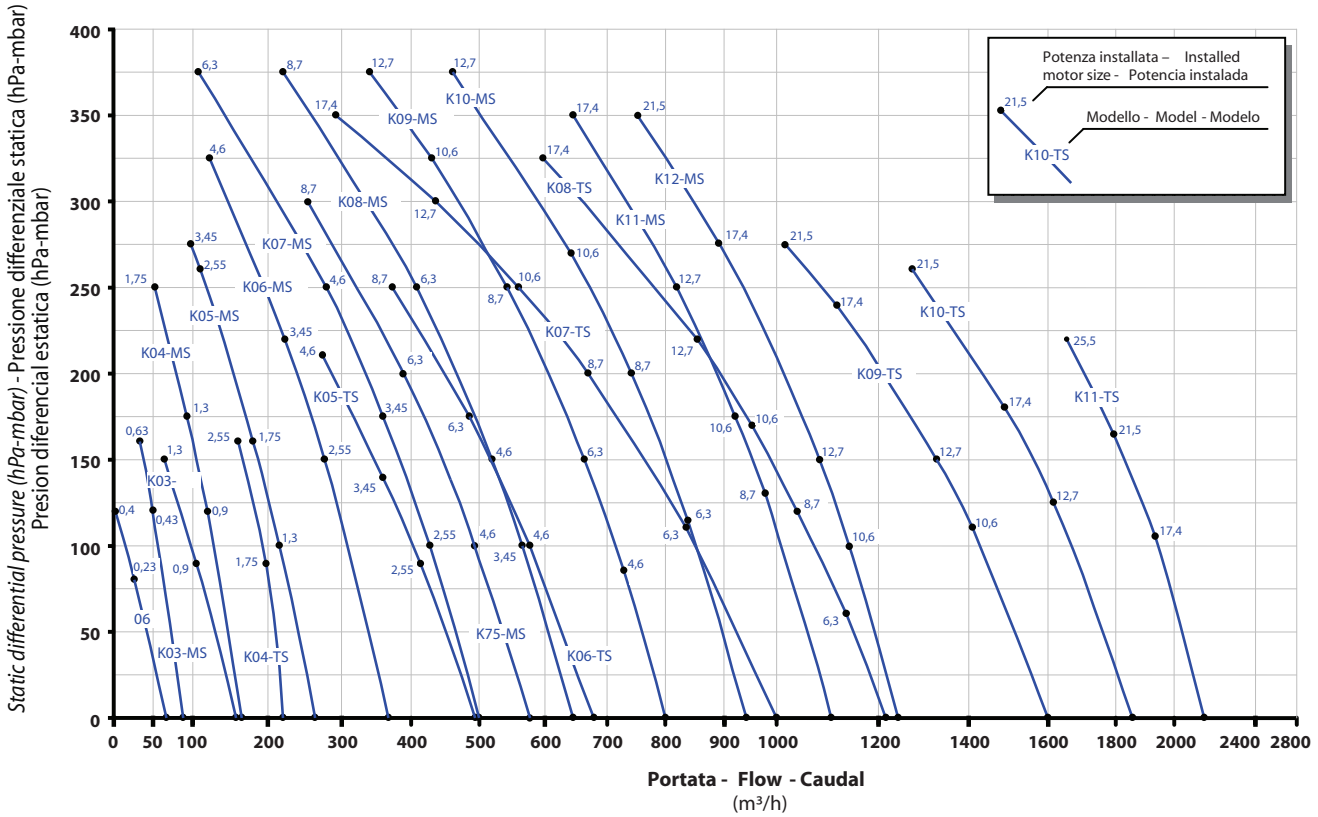
technical features - caratteristiche tecniche - características

| Model<br>Modello<br>Modelo | Max flow<br>Portata max<br>Caudal max |      | Flow - Portata - Caudal<br>Installed motor size - Potenza installata - Potencia instalada |      |                     |      |                     |      |                     |      | Max inst. motor size<br>Max potenza installata<br>Potencia instalada max | Maximum differential pressure<br>Max pressione differenziale<br>Presión max diferencial | Noise level/<br>Livello sonoro<br>Nivel de ruido | Connections<br>Connessioni<br>Conexiones | Weight<br>Peso<br>Peso |
|----------------------------|---------------------------------------|------|---|------|---------------------|------|---------------------|------|---------------------|------|--|---|--|--|------------------------|
|                            |                                       |      | - 100 hPa<br>(mbar)   |      | - 200 hPa<br>(mbar) |      | - 300 hPa<br>(mbar) |      | - 400 hPa<br>(mbar) |      |  |   |  |  |                        |
|                            | m <sup>3</sup> /h                     | kW   | m <sup>3</sup> /h   | kW   | m <sup>3</sup> /h   | kW   | m <sup>3</sup> /h   | kW   | m <sup>3</sup> /h   | kW   |  |   |  |  |                        |
| 06                         | 66                                    | 0,23 | 14  | 0,4  |                     |      |                     |      |                     |      | 0,4  | 120   | 59,0   | 1  | 7,1                    |
| K03 MS                     | 89                                    | 0,43 | 57  | 0,43 |                     |      |                     |      |                     |      | 0,63   | 160   | 61,0   | 1 1/4                                    | 12,0                   |
| K04 MS                     | 166                                   | 0,9  | 128   | 0,9  | 81                  | 1,75 |                     |      |                     |      | 1,75   | 250   | 64,0   | 1 1/2                                    | 19,5                   |
| K05 MS                     | 265                                   | 1,3  | 216   | 1,3  | 155                 | 2,55 |                     |      |                     |      | 3,45   | 275   | 70,1   | 2  | 30,5                   |
| K06 MS                     | 366                                   | 2,55 | 310   | 2,55 | 240                 | 3,45 | 150                 | 4,6  |                     |      | 4,6  | 325   | 72,6   | 2  | 35,2                   |
| K07 MS                     | 500                                   | 2,55 | 426   | 2,55 | 335                 | 4,6  | 219                 | 6,3  |                     |      | 6,3  | 375   | 78,3   | 3  | 61,5                   |
| K75 MS                     | 576                                   | 4,6  | 491   | 4,6  | 384                 | 6,3  | 248                 | 8,7  |                     |      | 8,7  | 300   | 79,0   | 3  | 67,0                   |
| K08 MS                     | 647                                   | 3,45 | 567   | 3,45 | 468                 | 6,3  | 341                 | 8,7  |                     |      | 8,7  | 375   | 79,4   | 3  | 68,0                   |
| K09 MS                     | 800                                   | 4,6  | 714   | 6,3  | 608                 | 8,7  | 472                 | 10,6 |                     |      | 12,7   | 375   | 80,1   | 4  | 87,5                   |
| K10 MS                     | 944                                   | 6,3  | 854   | 6,3  | 741                 | 8,7  | 597                 | 12,7 |                     |      | 12,7   | 375   | 80,5   | 4  | 90,0                   |
| K11 MS                     | 1105                                  | 8,7  | 1009  | 8,7  | 891                 | 12,7 | 739                 | 17,4 |                     |      | 17,4   | 350   | 83,8   | 4  | 98,5                   |
| K12 MS                     | 1234                                  | 10,6 | 1133  | 10,6 | 1007                | 17,4 | 846                 | 21,5 |                     |      | 21,5   | 350   | 87,2   | 4  | 132,0                  |
| K03 TS                     | 158                                   | 0,9  | 99  | 1,3  |                     |      |                     |      |                     |      | 1,3  | 150   | 70,6   | 1 1/4                                    | 18,7                   |
| K04 TS                     | 220                                   | 1,75 | 193   | 2,55 |                     |      |                     |      |                     |      | 2,55   | 160   | 74,1   | 1 1/2                                    | 28,5                   |
| K05 TS                     | 493                                   | 2,55 | 402   | 3,45 | 289                 | 4,6  |                     |      |                     |      | 4,6  | 210   | 75,1   | 3  | 48,0                   |
| K06 TS                     | 679                                   | 4,6  | 577   | 4,6  | 450                 | 8,7  |                     |      |                     |      | 8,7  | 250   | 77,4   | 3  | 71,5                   |
| K07 TS                     | 998                                   | 6,3  | 852   | 6,3  | 670                 | 8,7  | 437                 | 12,7 |                     |      | 17,4   | 350   | 85,7   | 4  | 109,5                  |
| K08 TS                     | 1215                                  | 6,3  | 1069  | 8,7  | 887                 | 12,7 | 653                 | 17,4 |                     |      | 17,4   | 325   | 83,1   | 4  | 113,0                  |
| K09 TS                     | 1600                                  | 10,6 | 1428  | 10,6 | 1216                | 17,4 |                     |      |                     |      | 21,5   | 275   | 88,1   | 5  | 158,0                  |
| K10 TS                     | 1858                                  | 12,7 | 1672  | 12,7 | 1440                | 21,5 |                     |      |                     |      | 21,5   | 260   | 89,7   | 5  | 163,0                  |
| K11 TS                     | 2130                                  | 17,4 | 1942  | 17,4 | 1708                | 25,5 |                     |      |                     |      | 25,5   | 220   | 91,3   | 5  | 186,5                  |
| 10 DL                      | 35                                    | 0,43 | 23  | 0,43 |                     |      |                     |      |                     |      | 0,43   | 175   | 64,0   | 1/2                                      | 10,0                   |
| 15 DH                      | 58                                    | 0,63 | 48  | 0,63 | 35                  | 0,63 |                     |      |                     |      | 0,63   | 275   | 64,0   | 3/4                                      | 12,5                   |
| 20 DH                      | 82                                    | 0,9  | 67  | 0,9  | 49                  | 0,9  |                     |      |                     |      | 0,9  | 250   | 68,0   | 1 1/4                                    | 20,0                   |
| 30 DH                      | 118                                   | 1,3  | 102   | 1,3  | 81                  | 1,3  | 54                  | 1,3  |                     |      | 1,3  | 350   | 70,0   | 1 1/2                                    | 26,5                   |
| 40 DH                      | 165                                   | 2,55 | 149   | 2,55 | 124                 | 2,55 | 93                  | 2,55 |                     |      | 2,55   | 350   | 75,0   | 1 1/2                                    | 34,0                   |
| K07R MD                    | 219                                   | 2,55 | 204   | 2,55 | 186                 | 2,55 | 165                 | 3,45 | 138                 | 4,6  | 4,6  | 450   | 73,5   | 2  | 50,5                   |
| K08R MD                    | 285                                   | 3,45 | 269   | 3,45 | 249                 | 4,6  | 227                 | 4,6  | 200                 | 6,3  | 6,3  | 450   | 76,1   | 2  | 63,5                   |
| K09 MD                     | 375                                   | 4,6  | 354   | 4,6  | 330                 | 4,6  | 301                 | 6,3  | 265                 | 8,7  | 8,7  | 475   | 79,0   | 4  | 81,0                   |
| K10 MD                     | 467                                   | 6,3  | 440   | 6,3  | 409                 | 6,3  | 372                 | 8,7  | 328                 | 8,7  | 10,6   | 500   | 81,0   | 4  | 92,0                   |
| K11 MD                     | 520                                   | 6,3  | 493   | 6,3  | 462                 | 8,7  | 424                 | 8,7  | 378                 | 10,6 | 12,7   | 500   | 81,3   | 4  | 106,0                  |
| K12 MD                     | 570                                   | 10,6 | 545   | 10,6 | 515                 | 10,6 | 476                 | 12,7 | 427                 | 17,4 | 17,4   | 450   | 82,5   | 4  | 111,5                  |
| K03 TD                     | 88                                    | 0,9  | 72  | 0,9  | 51                  | 1,3  |                     |      |                     |      | 1,3  | 250   | 66,1   | 1 1/4                                    | 19,7                   |
| K04 TD                     | 169                                   | 1,3  | 148   | 1,3  | 122                 | 1,75 | 89                  | 2,55 |                     |      | 2,55   | 300   | 71,6   | 1 1/2                                    | 29,5                   |
| K05 TD                     | 260                                   | 2,55 | 236   | 2,55 | 207                 | 2,55 | 170                 | 3,45 | 121                 | 4,6  | 4,6  | 400   | 75,6   | 2  | 43,5                   |
| K06 TD                     | 377                                   | 4,6  | 351   | 4,6  | 318                 | 4,6  | 277                 | 6,3  | 222                 | 8,7  | 8,7  | 400   | 76,6   | 2  | 61,5                   |
| K07 TD                     | 503                                   | 6,3  | 467   | 6,3  | 423                 | 6,3  | 367                 | 8,7  | 292                 | 8,7  | 10,6   | 450   | 79,2   | 3  | 99,5                   |
| K08 TD                     | 625                                   | 6,3  | 592   | 6,3  | 551                 | 8,7  | 498                 | 10,6 | 428                 | 12,7 | 12,7   | 475   | 79,9   | 3  | 105,5                  |
| K09 TD                     | 793                                   | 10,6 | 756   | 10,6 | 709                 | 10,6 | 650                 | 12,7 | 571                 | 17,4 | 17,4   | 475   | 82,5   | 4  | 130,0                  |
| K10 TD                     | 971                                   | 12,7 | 928   | 12,7 | 874                 | 12,7 | 805                 | 17,4 | 714                 | 21,5 | 21,5   | 500   | 86,5   | 4  | 165,0                  |
| K11 TD                     | 1090                                  | 12,7 | 1047  | 12,7 | 994                 | 17,4 | 925                 | 21,5 | 835                 | 21,5 | 21,5   | 400   | 87,2   | 4  | 172,0                  |

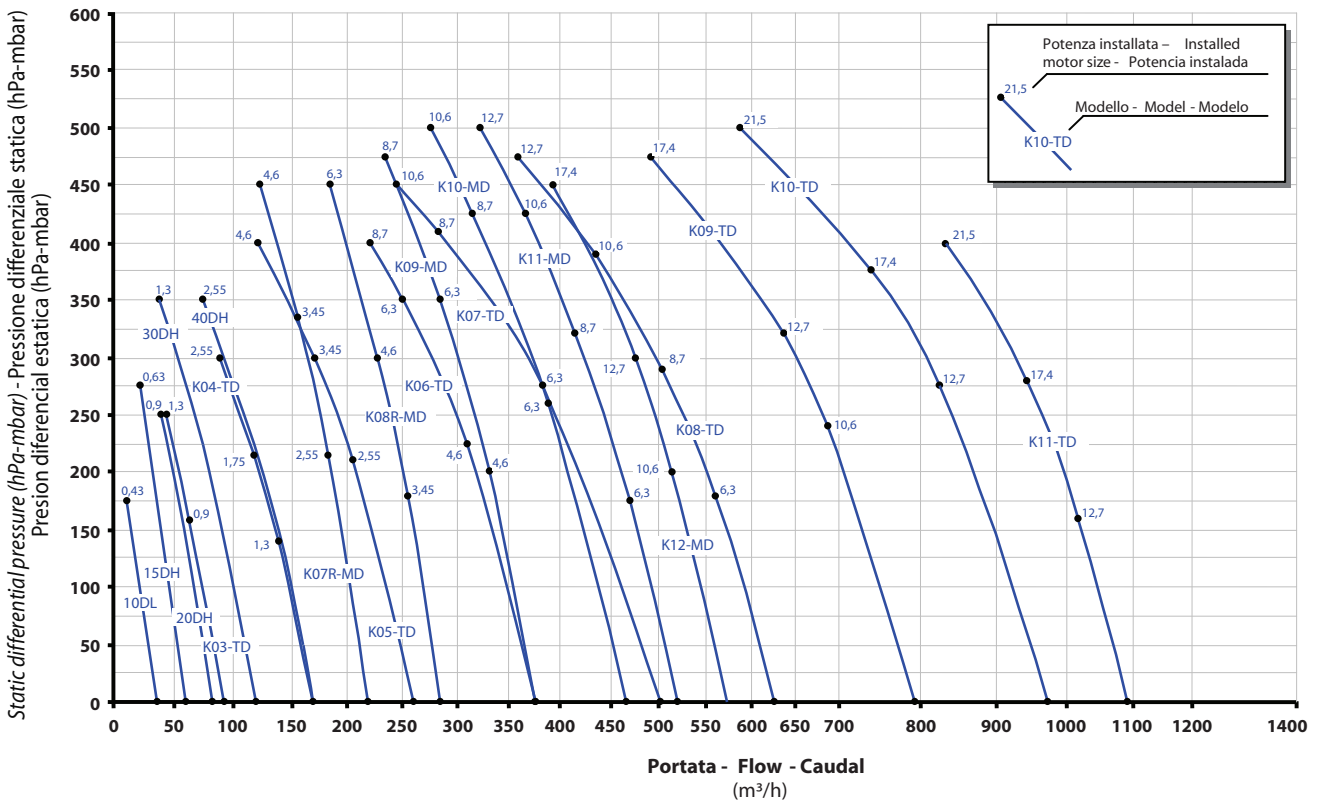
# vacuum curves - curve in vuoto - curvas de vacio **60 Hz**

## VACUUM CURVES - CURVE IN VUOTO - CURVAS DE VACIO

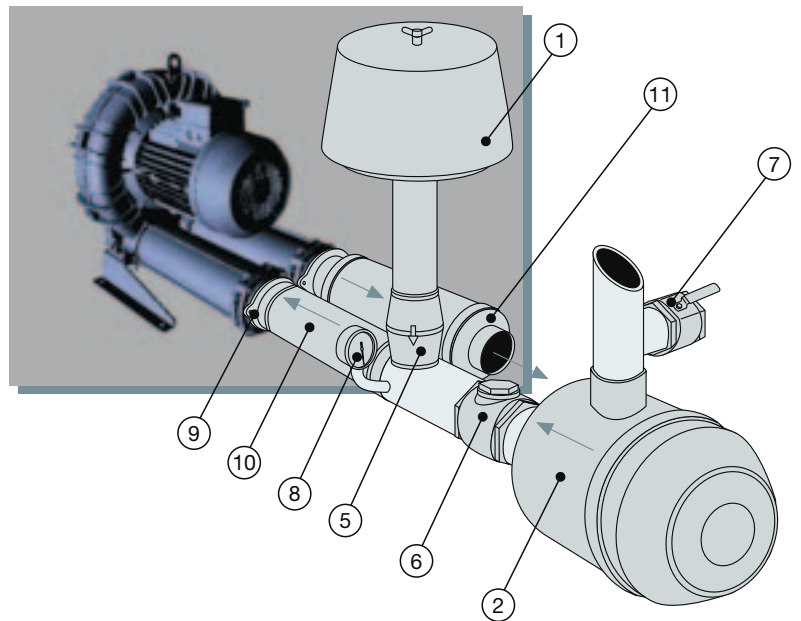
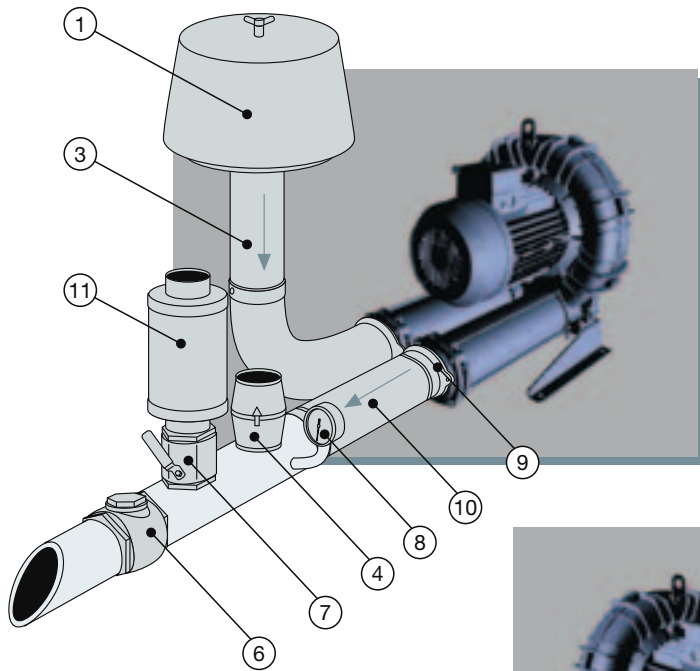
### K MS/TS



### K MD/TD - DL/DH



Performances referred to air at 20°C temperature, measured at inlet port and 1013 mbar (abs) atmospheric backpressure  
 Curve riferite ad aria con temperatura di 20°C misurata alla bocca di aspirazione e una contropressione atmosferica di 1013 mbar (ass.)  
 Curvas referidas a aire con temperatura de 20°C, medida en la boca de aspiracion y contrapresion atmosferica de 1013 mbar (abs)



*From a wide range of accessories, the customer can select the most suitable for their application. In all cases, FPZ suggest to install an inlet filter and safety valve on every machine*

In una vasta gamma di accessori si può scegliere quello che più si adatta alle esigenze del cliente. FPZ suggerisce, in ogni caso, la installazione di un filtro in aspirazione e di una valvola di sicurezza su ogni macchina

Entre un gran numero de accesorios, el cliente puede seleccionar el que mas se adapta a sus necesidades. En todos los casos FPZ sugiere instalar un filtro y una válvula de seguridad en cada maquina

- 1 - Cartridge filter
- 2 - Inline filter
- 3 - Filter manifold
- 4 - Relief valve
- 5 - Vacuum valve
- 6 - Check valve
- 7 - Control valve
- 8 - Pressure / Vacuum gauge
- 9 - Sleeve
- 10 - Flexible hose
- 11 - Additional silencer

- 1 - Filtro a cartuccia
- 2 - Filtro in linea
- 3 - Collettore per filtri
- 4 - Valvola di sicurezza
- 5 - Valvola di sfioro
- 6 - Valvola di non ritorno
- 7 - Valvola di regolazione
- 8 - Manometro / Vuotometro
- 9 - Manicotto portagomma
- 10 - Manicotto flessibile
- 11 - Silenziatore supplementare

- 1 - Filtro de aire
- 2 - Filtro en linea
- 3 - Colector
- 4 - Válvula de seguridad
- 5 - Válvula de escape
- 6 - Válvula de retención
- 7 - Válvula de regulación
- 8 - Manometro / Vacuometro
- 9 - Bridas de unión
- 10 - Manguito flexible
- 11 - Silenciador adicional

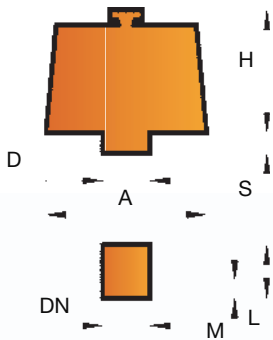




# accessories - accessori - accesorios

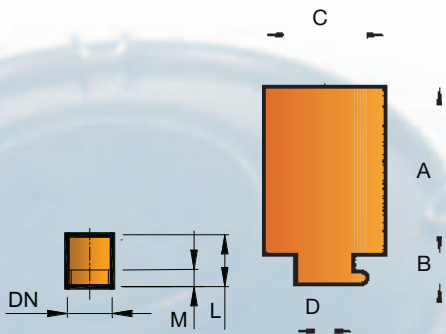
## ACCESSORIES - ACCESSORI - ACCESORIOS

Cartridge filter - Filtro a cartuccia - Filtro Cartucho



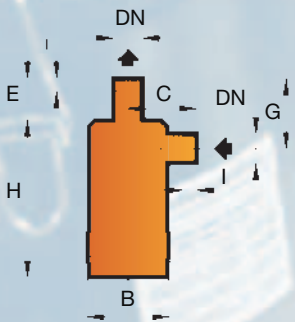
| Type<br>Tipo<br>Tipo | DN       | A   | D   | H   | S  | L   | M  |
|----------------------|----------|-----|-----|-----|----|-----|----|
| FL 1                 | G 1/2"   | 75  | 21  | 62  | 23 | 100 | 15 |
| FL 2                 | G 3/4"   | 150 | 27  | 105 | 23 | 130 | 15 |
| FL 3                 | G 1"     | 150 | 33  | 105 | 23 | 130 | 15 |
| FL 4                 | G 1 1/4" | 150 | 42  | 105 | 23 | 200 | 15 |
| FL 5                 | G 1 1/2" | 180 | 48  | 155 | 23 | 200 | 15 |
| FL 6                 | G 2"     | 230 | 60  | 155 | 23 | 200 | 15 |
| FL 8                 | G 3"     | 280 | 89  | 180 | 35 | 200 | 15 |
| FL 9                 | G 4"     | 410 | 114 | 330 | 35 | 200 | 15 |
| FL 10                | G 5"     | 410 | 140 | 330 | 35 | 200 | 35 |

Indoor intake filter - Filtro di aspirazione per interni - Filtro de Aspiración para el interior



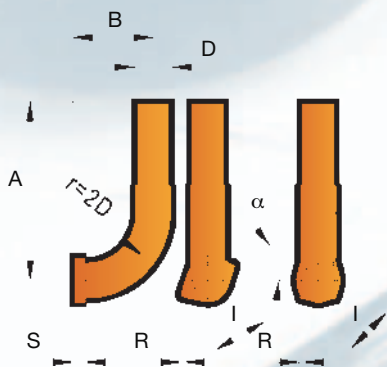
| Type<br>Tipo<br>Tipo | DN     | A   | B  | C   | D   | L   | M  |
|----------------------|--------|-----|----|-----|-----|-----|----|
| FA 4                 | 1 1/4" | 126 | 23 | 26  | 42  | 200 | 15 |
| FA 5                 | 1 1/2" | 217 | 23 | 152 | 48  | 200 | 15 |
| FA 6                 | 2"     | 217 | 23 | 152 | 60  | 200 | 15 |
| FA 8                 | 3"     | 150 | 34 | 200 | 89  | 200 | 15 |
| FA 9                 | 4"     | 160 | 38 | 257 | 114 | 200 | 15 |
| FA 10                | 5"     | 160 | 38 | 257 | 140 | 200 | 35 |

Cyclone filter - Filtro a ciclone - Filtro "ciclón"



| Type<br>Tipo<br>Tipo | DN       | B   | C   | E   | G   | H   | I  |
|----------------------|----------|-----|-----|-----|-----|-----|----|
| FC 5                 | G 1 1/2" | 146 | 126 | 81  | 129 | 312 | 22 |
| FC 6                 | G 2"     | 178 | 156 | 91  | 144 | 341 | 22 |
| FC 8                 | G 3"     | 220 | 157 | 102 | 172 | 453 | 22 |
| FC 9                 | G 4"     | 276 | 225 | 128 | 208 | 493 | 22 |

Manifold - Collettore per filtri - Colector

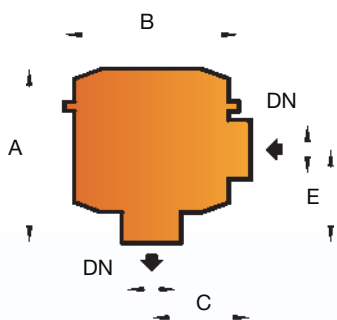


| Type<br>Tipo<br>Tipo | DN     | A   | B   | D   | S  | I   | R  | $\alpha$ |
|----------------------|--------|-----|-----|-----|----|-----|----|----------|
| CA 4                 | 1 1/4" | 220 | 90  | 42  | 15 | 75  | 7  | 30°      |
| CA 4V                | 1 1/4" | 220 | 90  | 42  | 15 | 64  | 7  | 0°       |
| CA 4K                | 1 1/4" | 260 | 160 | 42  | 15 | 64  | 7  | 0°       |
| CA 5                 | 1 1/2" | 260 | 110 | 48  | 15 | 85  | 7  | 45°      |
| CA 5V                | 1 1/2" | 260 | 110 | 48  | 15 | 75  | 7  | 0°       |
| CA 5K                | 1 1/2" | 300 | 180 | 48  | 15 | 75  | 7  | 0°       |
| CA 6                 | 2"     | 320 | 135 | 60  | 15 | 85  | 7  | 45°      |
| CA 6V                | 2"     | 320 | 135 | 60  | 15 | 85  | 7  | 0°       |
| CA 8                 | 3"     | 380 | 185 | 88  | 15 | 120 | 7  | -        |
| CA 9                 | 4"     | 400 | 235 | 113 | 20 | 150 | 9  | -        |
| CA 10                | 5"     | 450 | 300 | 140 | 20 | 210 | 18 | -        |

# accessories - accessori - accesorios

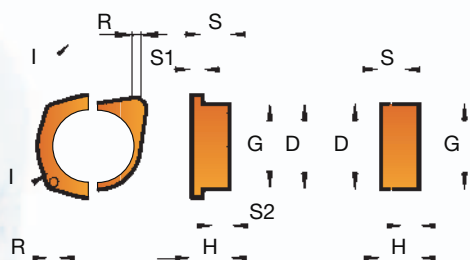
## ACCESSORIES - ACCESSORI - ACCESORIOS

Inline filter - Filtro in linea - Filtro en línea



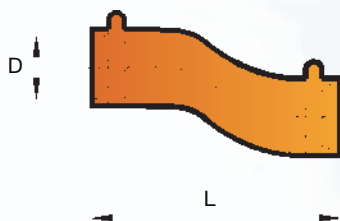
| Type<br>Tipo<br>Tipo | DN       | A   | B   | C   | E   |
|----------------------|----------|-----|-----|-----|-----|
| FV 5                 | G 1" 1/2 | 200 | 176 | 100 | 112 |
| FV 6                 | G 2"     | 258 | 200 | 111 | 131 |
| FV 8                 | G 3"     | 268 | 200 | 122 | 142 |

Sleeve - Manicotto portagomma - Bridas de unión



| Type<br>Tipo<br>Tipo | DN     | D   | G      | H   | I   | R   | S  | S1 | S2 |
|----------------------|--------|-----|--------|-----|-----|-----|----|----|----|
| MP 1                 | 1/2"   | 21  | G 1/2" | 100 | -   | -   | 85 | -  | 15 |
| MP 2                 | 3/4"   | 27  | G 3/4" | 100 | -   | -   | 85 | -  | 15 |
| MP 3                 | 1"     | 33  | -      | 35  | 55  | 6,5 | 25 | 10 | -  |
| MP 4                 | 1" 1/4 | 42  | -      | 35  | 75  | 6,5 | 25 | 10 | -  |
| MP 4V                | 1" 1/4 | 42  | -      | 35  | 64  | 6,5 | 25 | 10 | -  |
| MP 5                 | 1" 1/2 | 48  | -      | 35  | 85  | 6,5 | 25 | 10 | -  |
| MP 5V                | 1" 1/2 | 48  | -      | 35  | 75  | 6,5 | 25 | 10 | -  |
| MP 6                 | 2"     | 60  | -      | 35  | 85  | 6,5 | 25 | 10 | -  |
| MP 8                 | 3"     | 88  | -      | 45  | 120 | 6,5 | 32 | 13 | -  |
| MP 9                 | 4"     | 114 | G 4"   | 100 | -   | -   | 80 | -  | 20 |
| MP 10                | 5"     | 140 | -      | 60  | 210 | 17  | 52 | 8  | -  |
| MP 10G               | 5"     | 140 | G 5"   | 60  | 210 | 17  | 52 | 8  | 30 |

Flexible hose - Manicotto flessibile - Manguito flexible



| Type<br>Tipo<br>Tipo | DN     | D   | L   |
|----------------------|--------|-----|-----|
| MF 1                 | 1/2"   | 20  | 200 |
| MF 2                 | 3/4"   | 26  | 200 |
| MF 3                 | 1"     | 32  | 200 |
| MF 4                 | 1" 1/4 | 45  | 200 |
| MF 5                 | 1" 1/2 | 50  | 250 |
| MF 6                 | 2"     | 64  | 250 |
| MF 8                 | 3"     | 89  | 330 |
| MF 9                 | 4"     | 114 | 330 |
| MF 10                | 5"     | 140 | 330 |

Safety valve - Valvola di sicurezza - Válvula de seguridad



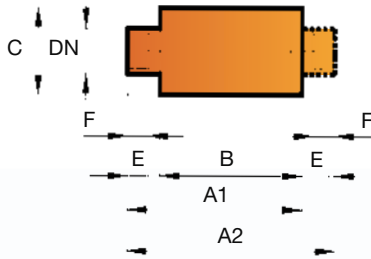
| Type<br>Tipo<br>Tipo | DN   | A   | B   | H  |
|----------------------|------|-----|-----|----|
| VRL 6                | G 2" | 100 | 167 | 12 |
| VRL 6 HP             | G 2" | 100 | 167 | 12 |
| VRL 8                | G 3" | 135 | 190 | 15 |
| VRL 8 HP             | G 3" | 135 | 190 | 15 |
| VRL 9                | G 4" | 160 | 206 | 18 |

# accessories - accessori - accesorios

## ACCESSORIES - ACCESSORI - ACCESORIOS

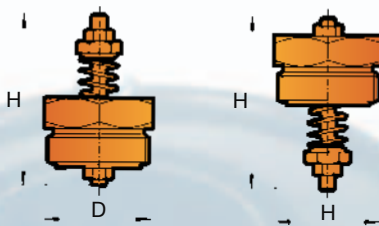
### Additional silencer

Silenziatore supplementare - Silenciador adicional



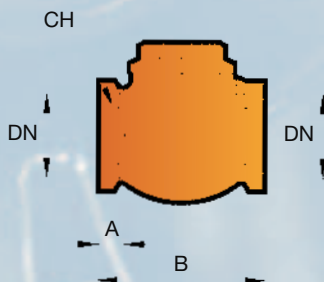
| Type<br>Tipo<br>Tipo | DN       | A1  | A2  | B   | C   | E  | F  |
|----------------------|----------|-----|-----|-----|-----|----|----|
| SI 4                 | G 1" 1/4 | -   | 240 | 140 | 70  | 50 | 15 |
| SI 5                 | G 1" 1/2 | -   | 230 | 170 | 80  | 30 | 20 |
| SI 6                 | G 2"     | -   | 260 | 200 | 90  | 30 | 20 |
| SI 8                 | G 3"     | -   | 570 | 400 | 152 | 85 | 20 |
| SI 9                 | G 4"     | -   | 485 | 415 | 168 | 27 | 20 |
| SS 4                 | G 1" 1/4 | 190 | -   | 140 | 70  | 50 | 15 |
| SS 5                 | G 1" 1/2 | 200 | -   | 170 | 80  | 30 | 20 |
| SS 6                 | G 2"     | 230 | -   | 200 | 90  | 30 | 20 |
| SS 8                 | G 3"     | 485 | -   | 400 | 152 | 85 | 20 |
| SS 9                 | G 4"     | 465 | -   | 430 | 169 | 27 | 20 |

### RV 3 / VLA 3



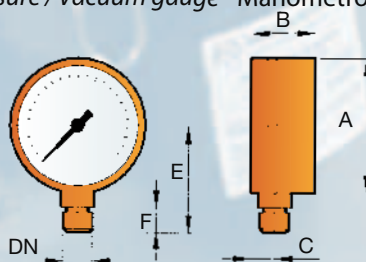
| Type<br>Tipo<br>Tipo | H  | D   |
|----------------------|----|-----|
| RV 3                 | 57 | 1"G |
| VLA 3                | 57 | 1"G |

### Check valve - Valvola di non ritorno Válvula de retención



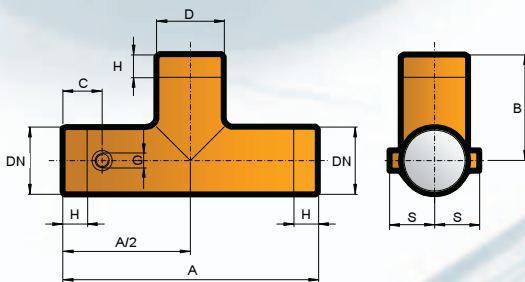
| Type<br>Tipo<br>Tipo | DN       | A  | B   | CH  |
|----------------------|----------|----|-----|-----|
| VC 1                 | G 1/2"   | 8  | 47  | 25  |
| VC 2                 | G 3/4"   | 8  | 52  | 32  |
| VC 3                 | G 1"     | 10 | 62  | 38  |
| VC 4                 | G 1" 1/4 | 10 | 74  | 47  |
| VC 5                 | G 1" 1/2 | 10 | 86  | 55  |
| VC 6                 | G 2"     | 12 | 97  | 67  |
| VC 8                 | G 3"     | 12 | 133 | 95  |
| VC 9                 | G 4"     | 20 | 180 | 124 |

### Pressure / Vacuum gauge - Manometro / Vuotometro - Manometro / Vacuometro



| Type<br>Tipo<br>Tipo | Δp mbar  | DN     | A  | B  | C  | E  | F  |
|----------------------|----------|--------|----|----|----|----|----|
| MC 010               | 0 - 600  | G 1/4" | 63 | 36 | 11 | 50 | 13 |
| MC 020               | 0 - 1000 | G 1/4" | 63 | 36 | 11 | 50 | 13 |
| MV 010               | -600 - 0 | G 1/4" | 63 | 36 | 11 | 50 | 13 |

### VRL valves - Portavalvola VRL - Porta Valvulas VRL

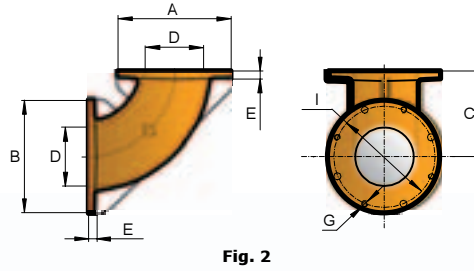
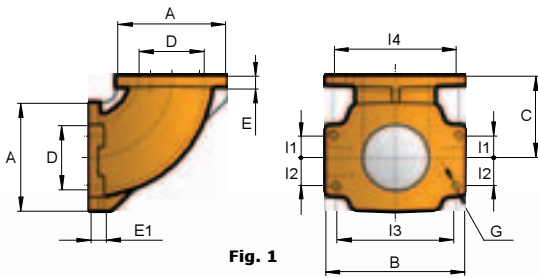


| Type<br>Tipo<br>Tipo | DN   | D    | A   | B   | C  | G      | H    | S  |
|----------------------|------|------|-----|-----|----|--------|------|----|
| PV 66                | G 2" | G 2" | 227 | 95  | 35 | G 1/4" | 21.5 | 40 |
| PV 88                | G 3" | G 3" | 310 | 130 | 55 | G 1/4" | 28.0 | 54 |
| PV 99                | G 4" | G 4" | 370 | 147 | 65 | G 1/4" | 31.5 | 67 |

Dimensions are in mm - Le dimensioni sono espresse in mm - Las dimensiones estan en mm

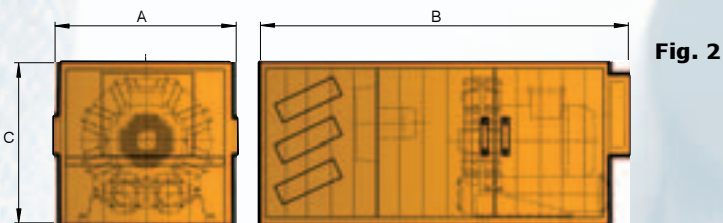
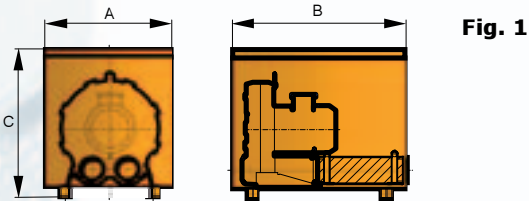
For further accessories refer to the price list - Per tutti gli altri accessori vedere il listino prezzi - Para todos los accesorios ver lista de precios

CK Manifold - Collettore CK - Colector CK



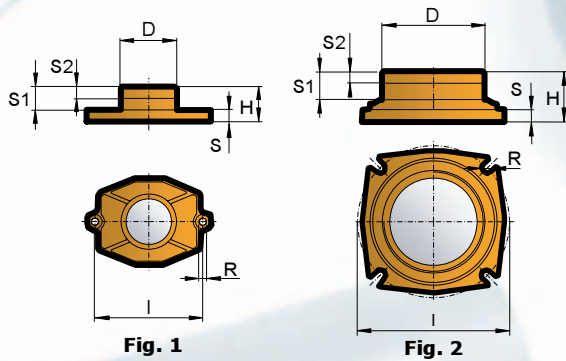
| Model<br>Modello<br>Modelo | A    | B    | C     | D   | E    | E1   | G  | I   | I1   | I2   | I3   | I4   | FIG. |
|----------------------------|------|------|-------|-----|------|------|----|-----|------|------|------|------|------|
| CK4                        | 69   | 85   | 56    | 38  | 7    | 11,5 | M6 | -   | 14,5 | 14,5 | 70,2 | 70,2 | 1    |
| CK5                        | 80   | 100  | 56    | 43  | 7    | 11,5 | M6 | -   | 17,6 | 17,6 | 85   | 85   |      |
| CK6                        | 92   | 118  | 69    | 55  | 8,5  | 13   | M8 | -   | 18,3 | 23,8 | 99,4 | 104  |      |
| CK8                        | Ø145 | Ø145 | 109,5 | 75  | 10,5 | -    | M8 | 130 | -    | -    | -    | -    | 2    |
| CK9                        | Ø165 | Ø165 | 132,5 | 90  | 10,5 | -    | M8 | 150 | -    | -    | -    | -    |      |
| CK10                       | Ø220 | Ø220 | 192   | 128 | 10,5 | -    | M8 | 190 | -    | -    | -    | -    |      |

Acoustic hood - Cabina afona - Cabina de insonorizacion



| Type<br>Tipo<br>Tipo | DN  | A    | B   | H |
|----------------------|-----|------|-----|---|
| IH 1                 | 340 | 462  | 400 | 1 |
| IH 3                 | 363 | 500  | 420 |   |
| IH 5                 | 430 | 680  | 540 |   |
| IH 7                 | 805 | 1635 | 660 | 2 |
| IH 8                 | 805 | 1635 | 660 |   |
| IH 9                 | 805 | 1635 | 660 |   |
| IH 10                | 805 | 1705 | 760 |   |
| IH 11                | 805 | 1705 | 760 |   |
| IH 12                | 805 | 1705 | 760 |   |
| IH 13                | 805 | 1705 | 800 |   |

Flange connector for VRL valves and flanged tube connector - Flangie portavalvole VRL e portagomma  
 Bridas porta valvulas VRL y portagoma



| Type<br>Tipo<br>Tipo | DN     | D        | H    | I   | R   | S  | S1 | S2 | Fig. |
|----------------------|--------|----------|------|-----|-----|----|----|----|------|
| VK 5                 | 1" 1/2 | G 1" 1/2 | 30   | 92  | 6,5 | 10 | -  | 10 | 1    |
| VK 6                 | 2"     | G 2"     | 50   | 110 | 8,5 | 10 | -  | 12 |      |
| VK 6A                | 2"     | G 2"     | 59,5 | 130 | 9   | 11 | -  | 12 |      |
| VK 8                 | 3"     | G 3"     | 43   | 130 | 9   | 11 | -  | 10 | 2    |
| VK 9                 | 4"     | G 4"     | 46   | 150 | 9   | 11 | -  | 12 |      |
| PK 5                 | 1" 1/2 | Ø 48     | 30   | 92  | 6,5 | 10 | 20 | -  | 1    |
| PK 6                 | 2"     | Ø 60     | 50   | 110 | 8,5 | 10 | 35 | -  |      |
| PK 6A                | 2"     | Ø 60     | 59,5 | 130 | 9   | 11 | 35 | -  |      |
| PK 8                 | 3"     | Ø 88     | 43   | 130 | 9   | 11 | 24 | -  | 2    |
| PK 9                 | 4"     | Ø 113    | 46   | 150 | 9   | 11 | 27 | -  |      |

*FPZ's ISO9001:2000 accreditation offers further evidence of its commitment to quality in all phases of the product cycle, from design to production, from initial sale to after-sales service. Other certifications of the product available on demand are Atex - Curus - Exproof certification*

La certificazione ISO9001:2000 attesta l'estrema attenzione di FPZ alla qualità in tutte le fasi del ciclo di vita del prodotto: dalla progettazione, alla commercializzazione, alla produzione, al servizio post vendita. Altre certificazioni disponibili su richiesta sono Atex - Curus - Antideflagranza

La certificación ISO9001:2000 confirma la extrema atención de FPZ a la calidad en todas las fases del ciclo de vida del producto: desde el proyecto, a la comercialización, a la producción y al servicio post venta. Otras certificaciones del producto, disponible a petición son: Atex - Curus - Antideflagranza





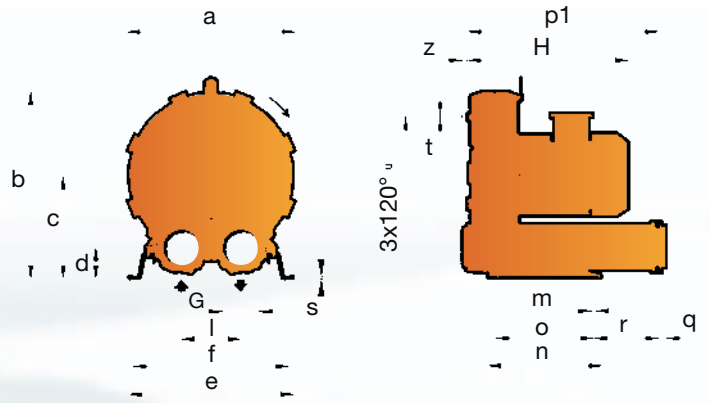
overall dimensions - ingombri - tamaño  
**OVERALL DIMENSIONS - INGOMBRI - TAMAÑO**

# MS

K03 / K04 / K05 / K06 / K07 / K75  
 K08 / K09 / K10 / K11 / K12

# MD

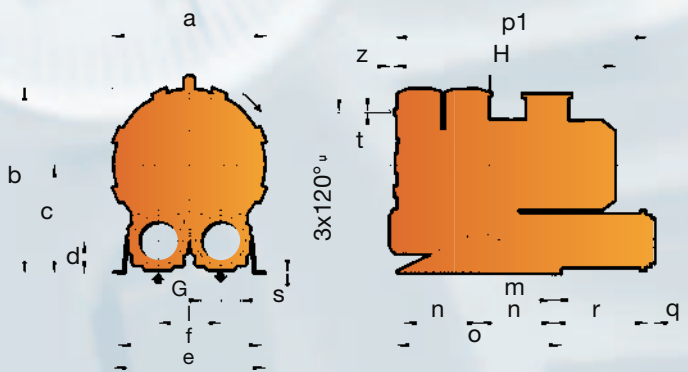
K07R / K08R / K09 / K10 / K11 / K12



| Model<br>Modello<br>Modelo | a   | b   | c   | d  | e   | f   | G        | l   | m  | n   | o   | p1  | q  | r   | s | t  | u   | z  | H                  |
|----------------------------|-----|-----|-----|----|-----|-----|----------|-----|----|-----|-----|-----|----|-----|---|----|-----|----|--------------------|
| <b>K03 MS</b>              | 241 | 268 | 147 | 43 | 230 | 205 | G 1" 1/4 | 86  | 10 | 83  | 142 | 205 | 18 | 75  | 4 | M6 | 140 | 12 | 241                |
| <b>K04 MS</b>              | 285 | 315 | 172 | 49 | 255 | 225 | G 1" 1/2 | 102 | 12 | 95  | 171 | 222 | 18 | 70  | 4 | M6 | 175 | 18 | 310                |
| <b>K05 MS</b>              | 327 | 365 | 200 | 54 | 320 | 260 | G 2"     | 120 | 15 | 115 | 265 | 320 | 18 | 98  | 4 | M8 | 200 | 19 | 375                |
| <b>K06 MS</b>              | 376 | 393 | 205 | 54 | 325 | 290 | G 2"     | 125 | 15 | 140 | 272 | 334 | 18 | 85  | 4 | M8 | 240 | 19 | 367                |
| <b>K07 MS</b>              | 424 | 481 | 269 | 82 | 468 | 438 | G 3"     | 155 | 13 | 300 | 350 | 512 | 25 | 137 | 5 | M8 | 295 | 16 | 445                |
| <b>K75 MS</b>              | 424 | 481 | 269 | 82 | 468 | 438 | G 3"     | 155 | 13 | 300 | 350 | 512 | 25 | 137 | 5 | M8 | 295 | 16 | 445                |
| <b>K08 MS</b>              | 457 | 498 | 269 | 82 | 478 | 448 | G 3"     | 155 | 13 | 300 | 350 | 512 | 25 | 137 | 5 | M8 | 310 | 16 | 480                |
| <b>K07R MD</b>             | 424 | 481 | 269 | 82 | 468 | 438 | G 2"     | 155 | 13 | 300 | 350 | 418 | 18 | 43  | 5 | M8 | 295 | 16 | 445                |
| <b>K08R MD</b>             | 457 | 498 | 269 | 82 | 478 | 448 | G 2"     | 155 | 13 | 300 | 350 | 418 | 18 | 43  | 5 | M8 | 310 | 16 | 445                |
| <b>K09 MS/MD</b>           | 492 | 561 | 315 | 96 | 508 | 478 | G 4"     | 182 | 13 | 300 | 350 | 644 | 25 | 257 | 5 | M8 | 360 | 16 | 490                |
| <b>K10 MS/MD</b>           | 516 | 573 | 315 | 96 | 508 | 478 | G 4"     | 182 | 13 | 300 | 350 | 644 | 25 | 257 | 5 | M8 | 360 | 16 | 490                |
| <b>K11 MS/MD</b>           | 542 | 603 | 332 | 91 | 538 | 508 | G 4"     | 200 | 13 | 300 | 350 | 654 | 25 | 262 | 5 | M8 | 390 | 16 | 590 <sup>(1)</sup> |
| <b>K12 MS/MD</b>           | 548 | 606 | 332 | 91 | 538 | 508 | G 4"     | 200 | 13 | 300 | 350 | 657 | 25 | 262 | 5 | M8 | 390 | 13 | 593 <sup>(2)</sup> |

(1) 495 for - per - para MD

(2) 498 for - per - para MD

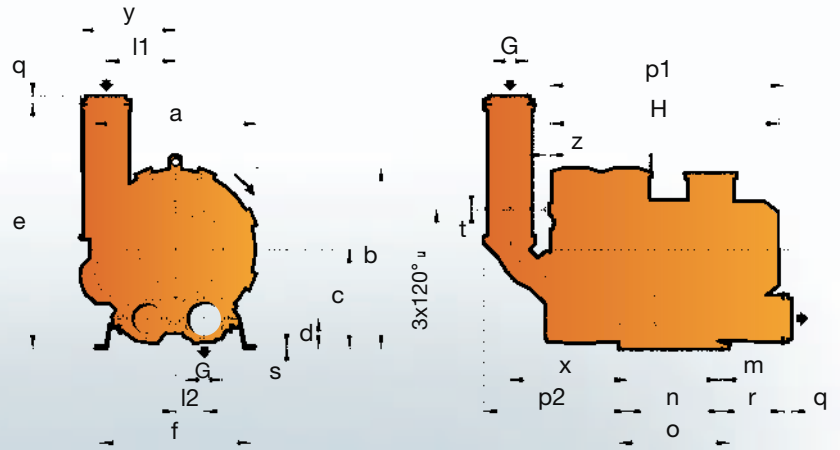


# TS

K03 / K04 / K05 / K06 / K07 / K08 / K09 / K10 / K11

| Model<br>Modello<br>Modelo | a   | b   | c   | d   | e   | f   | G        | l   | m  | n    | o   | p1  | q  | r   | s | t  | u   | z  | H   |
|----------------------------|-----|-----|-----|-----|-----|-----|----------|-----|----|------|-----|-----|----|-----|---|----|-----|----|-----|
| <b>K03 TS</b>              | 241 | 268 | 147 | 43  | 230 | 205 | G 1" 1/4 | 86  | 10 | 41.5 | 142 | 280 | 18 | 75  | 4 | M6 | 140 | 12 | 375 |
| <b>K04 TS</b>              | 285 | 315 | 172 | 49  | 255 | 225 | G 1" 1/2 | 102 | 12 | 47.5 | 171 | 315 | 18 | 70  | 4 | M6 | 175 | 18 | 404 |
| <b>K05 TS</b>              | 327 | 422 | 258 | 77  | 404 | 374 | G 3"     | 150 | 13 | 150  | 345 | 634 | 25 | 328 | 4 | M8 | 200 | 19 | 485 |
| <b>K06 TS</b>              | 376 | 450 | 262 | 75  | 404 | 374 | G 3"     | 155 | 13 | 150  | 345 | 662 | 25 | 335 | 4 | M8 | 240 | 19 | 580 |
| <b>K07 TS</b>              | 424 | 531 | 319 | 98  | 468 | 438 | G 4"     | 182 | 13 | 250  | 550 | 802 | 25 | 299 | 5 | M8 | 295 | 16 | 620 |
| <b>K08 TS</b>              | 457 | 548 | 319 | 98  | 478 | 448 | G 4"     | 182 | 13 | 250  | 550 | 802 | 25 | 299 | 5 | M8 | 310 | 16 | 620 |
| <b>K09 TS</b>              | 492 | 610 | 365 | 112 | 508 | 478 | 130      | 210 | 13 | 250  | 550 | 850 | -  | 315 | 5 | M8 | 360 | 16 | 745 |
| <b>K10 TS</b>              | 516 | 623 | 365 | 112 | 508 | 478 | 130      | 210 | 13 | 250  | 550 | 850 | -  | 315 | 5 | M8 | 360 | 16 | 745 |
| <b>K11 TS</b>              | 542 | 650 | 380 | 106 | 540 | 510 | 130      | 228 | 13 | 250  | 550 | 870 | -  | 320 | 5 | M8 | 390 | 16 | 800 |

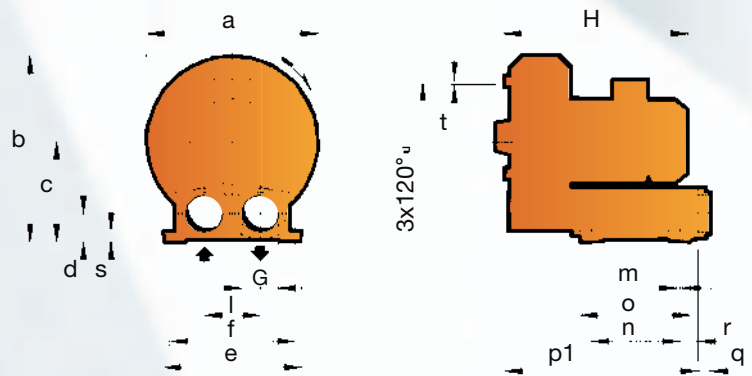
overall dimensions - ingombri - tamaño  
**OVERALL DIMENSIONS - INGOMBRI - TAMAÑO**



# TD

K03 / K04 / K05 / K06 / K07 / K08 / K09 / K10 / K11

| Model<br>Modello<br>Modelo | a   | b   | c   | d  | e   | f   | G        | l1  | l2   | m  | n   | o   | p1  | p2  | q  | r   | s | t  | u   | x   | y   | z  | H   |
|----------------------------|-----|-----|-----|----|-----|-----|----------|-----|------|----|-----|-----|-----|-----|----|-----|---|----|-----|-----|-----|----|-----|
| <b>K03-TD</b>              | 241 | 268 | 147 | 43 | 292 | 205 | G 1" 1/4 | 104 | 43   | 10 | 83  | 142 | 208 | 215 | 18 | 75  | 4 | M6 | 140 | 180 | 146 | 12 | 375 |
| <b>K04-TD</b>              | 285 | 315 | 172 | 49 | 309 | 225 | G 1" 1/2 | 123 | 51   | 12 | 95  | 171 | 316 | 254 | 18 | 70  | 4 | M6 | 175 | 214 | 173 | 18 | 404 |
| <b>K05-TD</b>              | 327 | 365 | 200 | 54 | 426 | 260 | G 2"     | 145 | 60   | 15 | 115 | 265 | 428 | 340 | 18 | 98  | 4 | M8 | 200 | 293 | 206 | 19 | 485 |
| <b>K06-TD</b>              | 376 | 420 | 232 | 59 | 456 | 290 | G 2"     | 151 | 73   | 15 | 140 | 265 | 506 | 354 | 18 | 136 | 4 | M8 | 240 | 308 | 210 | 19 | 580 |
| <b>K07-TD</b>              | 424 | 481 | 269 | 82 | 673 | 438 | G 3"     | 187 | 77.5 | 13 | 300 | 350 | 649 | 392 | 25 | 137 | 5 | M8 | 295 | 319 | 260 | 16 | 620 |
| <b>K08-TD</b>              | 457 | 498 | 269 | 82 | 673 | 448 | G 3"     | 187 | 77.5 | 13 | 300 | 350 | 649 | 392 | 25 | 137 | 5 | M8 | 310 | 319 | 260 | 16 | 620 |
| <b>K09-TD</b>              | 492 | 561 | 315 | 96 | 781 | 478 | G 4"     | 220 | 91   | 13 | 300 | 350 | 745 | 455 | 25 | 199 | 5 | M8 | 360 | 372 | 302 | 16 | 745 |
| <b>K10-TD</b>              | 516 | 573 | 315 | 96 | 781 | 478 | G 4"     | 220 | 91   | 13 | 300 | 350 | 745 | 455 | 25 | 199 | 5 | M8 | 360 | 372 | 302 | 16 | 745 |
| <b>K11-TD</b>              | 542 | 602 | 332 | 90 | 788 | 508 | G 4"     | 242 | 100  | 13 | 300 | 350 | 765 | 470 | 25 | 204 | 5 | M8 | 390 | 387 | 324 | 16 | 760 |

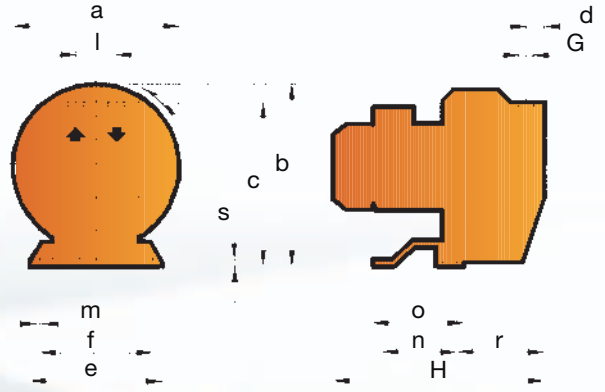


# 06 / 20 DH / 30 DH / 40 DH

| Model<br>Modello<br>Modelo | a   | b   | c   | d  | e   | f   | G        | l   | m  | n   | o   | p1  | q  | r  | s  | t  | u   | H   |
|----------------------------|-----|-----|-----|----|-----|-----|----------|-----|----|-----|-----|-----|----|----|----|----|-----|-----|
| <b>06</b>                  | 222 | 234 | 116 | 25 | 220 | 195 | G 1"     | 80  | 11 | 75  | 105 | 160 | 15 | 35 | 2  | M5 | 136 | 235 |
| <b>20 DH</b>               | 290 | 310 | 165 | 45 | 230 | 210 | G 1" 1/4 | 90  | 10 | 150 | 195 | 355 | 18 | 45 | 20 | M6 | 150 | 350 |
| <b>30 DH</b>               | 320 | 347 | 187 | 53 | 270 | 245 | G 1" 1/2 | 105 | 10 | 185 | 235 | 420 | 18 | 55 | 20 | M6 | 180 | 390 |
| <b>40 DH</b>               | 350 | 370 | 195 | 53 | 270 | 245 | G 1" 1/2 | 105 | 10 | 185 | 235 | 440 | 18 | 55 | 20 | M8 | 225 | 430 |

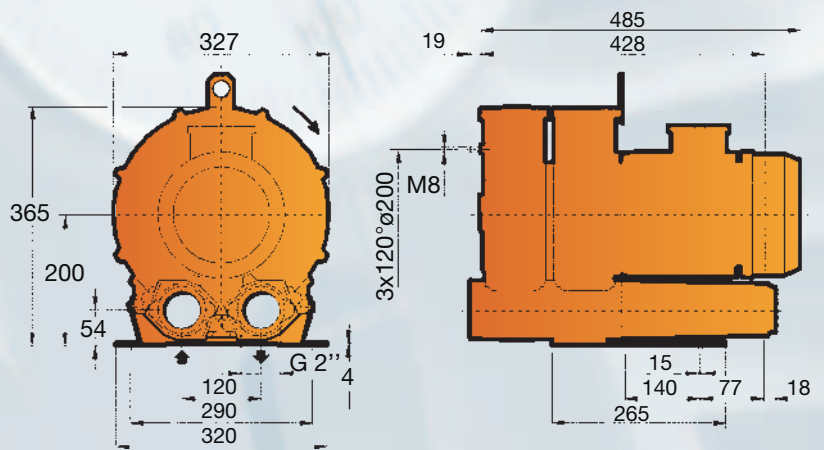
overall dimensions - ingombri - tamaño  
**OVERALL DIMENSIONS - INGOMBRI - TAMAÑO**

10 DL  
 15 DH



| Model<br>Modello<br>Modelo | a   | b   | c   | d  | e   | f   | G      | l  | m | n   | o   | r   | s   | H   |
|----------------------------|-----|-----|-----|----|-----|-----|--------|----|---|-----|-----|-----|-----|-----|
| <b>10DL</b>                | 220 | 256 | 230 | 23 | 210 | 180 | G 1/2" | 58 | 9 | 120 | 144 | 90  | 2,5 | 300 |
| <b>15DH</b>                | 250 | 286 | 258 | 30 | 210 | 180 | G 3/4" | 64 | 9 | 120 | 144 | 120 | 2,5 | 335 |

K05 - 66



Dimensions are in mm - Le dimensioni sono espresse in mm - Las dimensiones estan en mm  
 Tolerance on given values: +/-10% - Tolleranza su tutti i valori riportati in questo catalogo: +/-10% - Tolerancia de todos los valores en este catalogo: +/-10%  
 Data can change without prior notice - Dati soggetti a variazione senza obbligo di preavviso - Datos no vinculados y sujetos a cambios sin previo aviso

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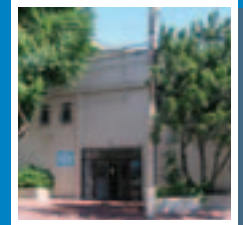
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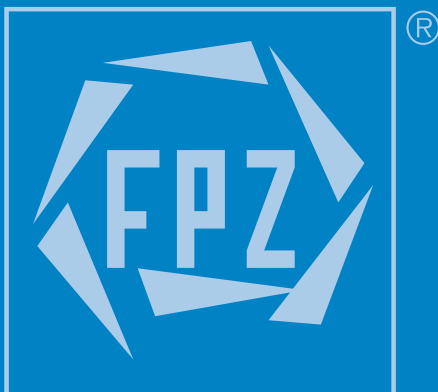
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