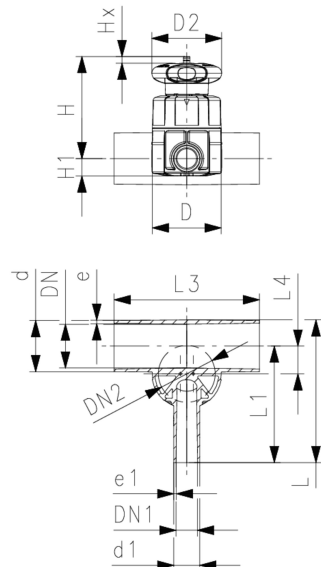
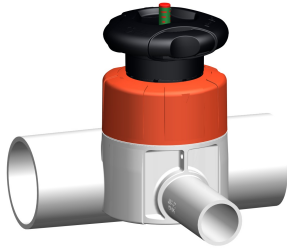


# Data sheet

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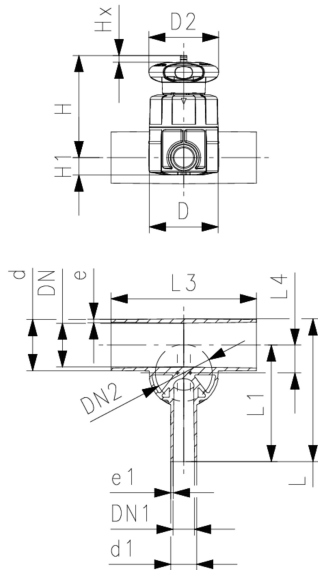
## SYGEF Plus Diaphragm valve type 519 With butt fusion spigots metric SDR21

| d<br>(mm) | d1<br>(mm) | Valve<br>Size d<br>(mm) | Size<br>(inch) | PTFE/<br>EPDM*<br>Code | Weight<br>(lb) |
|-----------|------------|-------------------------|----------------|------------------------|----------------|
| 20        | 20         | 20                      | ½              | 181 519 301            | 0.772          |
| 25        | 20         | 25                      | ¾              | 181 519 303            | 1.049          |
| 25        | 25         | 25                      | ¾              | 181 519 304            | 1.396          |
| 32        | 20         | 25                      | 1              | 181 519 307            | 1.526          |
| 32        | 25         | 25                      | 1              | 181 519 308            | 1.590          |
| 32        | 32         | 32                      | 1              | 181 519 309            | 1.960          |
| 40        | 20         | 32                      | 1 ¼            | 181 519 312            | 2.123          |
| 40        | 25         | 32                      | 1 ¼            | 181 519 313            | 1.790          |
| 40        | 32         | 32                      | 1 ¼            | 181 519 314            | 1.863          |
| 40        | 40         | 32                      | 1 ¼            | 181 519 315            | 1.909          |
| 50        | 20         | 25                      | 1 ½            | 181 519 318            | 1.739          |
| 50        | 25         | 32                      | 1 ½            | 181 519 319            | 1.995          |
| 50        | 32         | 32                      | 1 ½            | 181 519 320            | 2.041          |
| 50        | 40         | 63                      | 1 ½            | 181 519 321            | 5.249          |
| 50        | 50         | 63                      | 1 ½            | 181 519 322            | 5.262          |
| 63        | 20         | 25                      | 2              | 181 519 325            | 1.728          |
| 63        | 25         | 32                      | 2              | 181 519 326            | 3.111          |
| 63        | 32         | 32                      | 2              | 181 519 327            | 2.244          |
| 63        | 40         | 63                      | 2              | 181 519 328            | 5.745          |
| 63        | 50         | 63                      | 2              | 181 519 329            | 7.624          |
| 63        | 63         | 63                      | 2              | 181 519 330            | 5.849          |
| 90        | 20         | 32                      | 3              | 181 519 341            | 2.875          |
| 90        | 25         | 32                      | 3              | 181 519 342            | 3.754          |
| 90        | 32         | 32                      | 3              | 181 519 343            | 3.790          |
| 90        | 50         | 63                      | 3              | 181 519 345            | 6.975          |
| 90        | 63         | 63                      | 3              | 181 519 346            | 6.993          |
| 110       | 20         | 32                      | 4              | 181 519 351            | 4.334          |
| 110       | 25         | 32                      | 4              | 181 519 352            | 4.348          |
| 110       | 32         | 32                      | 4              | 181 519 353            | 4.354          |
| 110       | 50         | 63                      | 4              | 181 519 355            | 9.539          |
| 110       | 63         | 63                      | 4              | 181 519 356            | 7.893          |
| 140       | 32         | 32                      | 5              | 181 519 363            | 7.335          |
| 140       | 40         | 63                      | 5              | 181 519 364            | 11.956         |
| 140       | 50         | 63                      | 5              | 181 519 365            | 12.022         |
| 140       | 63         | 63                      | 5              | 181 519 366            | 12.066         |
| 160       | 32         | 32                      | 6              | 181 519 373            | 8.120          |
| 160       | 40         | 63                      | 6              | 181 519 374            | 12.838         |
| 160       | 50         | 63                      | 6              | 181 519 375            | 12.882         |
| 160       | 63         | 63                      | 6              | 181 519 376            | 12.926         |

| d<br>(mm) | DN2<br>(mm) | DN1<br>(mm) | D2<br>(mm) | D<br>(mm) | H<br>(mm) | H1<br>(mm) | L<br>(mm) | L1<br>(mm) | L3<br>(mm) | L4<br>(mm) | Lift =<br>Hx<br>(mm) | e<br>(mm) | e1<br>(mm) |
|-----------|-------------|-------------|------------|-----------|-----------|------------|-----------|------------|------------|------------|----------------------|-----------|------------|
| 20        | 15          | 15          | 65         | 65        | 75        | 14.0       | 117       | 96         | 162        | 12         | 7                    | 1.9       | 1.90       |
| 25        | 20          | 15          | 65         | 80        | 80        | 17.5       | 133       | 108        | 162        | 16         | 10                   | 1.9       | 1.90       |
| 25        | 20          | 20          | 65         | 80        | 80        | 17.5       | 133       | 108        | 162        | 16         | 10                   | 1.9       | 1.90       |
| 32        | 20          | 15          | 65         | 80        | 84        | 21.5       | 142       | 120        | 162        | 19         | 10                   | 2.4       | 1.90       |
| 32        | 20          | 20          | 65         | 80        | 84        | 21.5       | 142       | 120        | 162        | 19         | 10                   | 2.4       | 1.90       |
| 32        | 25          | 25          | 87         | 88        | 107       | 21.5       | 145       | 120        | 160        | 19         | 13                   | 2.4       | 2.40       |
| 40        | 25          | 15          | 87         | 88        | 115       | 21.5       | 149       | 128        | 180        | 23         | 13                   | 2.4       | 1.90       |
| 40        | 25          | 20          | 87         | 88        | 115       | 21.5       | 149       | 128        | 180        | 23         | 13                   | 2.4       | 1.90       |
| 40        | 25          | 25          | 87         | 88        | 115       | 21.5       | 149       | 128        | 180        | 23         | 13                   | 2.4       | 2.40       |
| 40        | 25          | 32          | 87         | 88        | 115       | 21.5       | 174       | 153        | 180        | 23         | 13                   | 2.4       | 2.40       |
| 50        | 20          | 15          | 65         | 80        | 97        | 17.5       | 160       | 134        | 180        | 27         | 10                   | 3.0       | 1.90       |
| 50        | 25          | 20          | 87         | 88        | 120       | 21.5       | 160       | 134        | 180        | 28         | 13                   | 3.0       | 1.90       |

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| d    | DN2  | DN1  | D2   | D    | H    | H1   | L    | L1   | L3   | L4   | Lift =<br>Hx | e    | e1   |
|------|------|------|------|------|------|------|------|------|------|------|--------------|------|------|
| (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (mm)         | (mm) | (mm) |
| 50   | 25   | 25   | 87   | 88   | 120  | 21.5 | 160  | 134  | 180  | 28   | 13           | 3.0  | 2.40 |
| 50   | 50   | 32   | 135  | 144  | 164  | 32.0 | 209  | 169  | 209  | 33   | 25           | 3.0  | 2.40 |
| 50   | 50   | 40   | 135  | 144  | 164  | 32.0 | 209  | 169  | 209  | 33   | 25           | 3.0  | 3.00 |
| 63   | 20   | 15   | 65   | 80   | 104  | 17.5 | 177  | 144  | 180  | 33   | 10           | 3.0  | 1.90 |
| 63   | 25   | 20   | 87   | 88   | 127  | 21.5 | 177  | 144  | 180  | 35   | 13           | 3.0  | 1.90 |
| 63   | 25   | 25   | 87   | 88   | 127  | 21.5 | 177  | 144  | 180  | 35   | 13           | 3.0  | 2.40 |
| 63   | 50   | 32   | 135  | 144  | 170  | 39.0 | 225  | 192  | 220  | 39   | 25           | 3.0  | 2.40 |
| 63   | 50   | 40   | 135  | 144  | 170  | 39.0 | 225  | 192  | 220  | 39   | 25           | 3.0  | 3.00 |
| 63   | 50   | 50   | 135  | 144  | 170  | 39.0 | 225  | 192  | 220  | 39   | 25           | 3.0  | 3.00 |
| 90   | 25   | 15   | 87   | 88   | 140  | 21.5 | 205  | 159  | 190  | 47   | 13           | 4.3  | 1.90 |
| 90   | 25   | 20   | 87   | 88   | 140  | 21.5 | 205  | 159  | 190  | 47   | 13           | 4.3  | 1.90 |
| 90   | 25   | 25   | 87   | 88   | 140  | 21.5 | 205  | 159  | 190  | 47   | 13           | 4.3  | 2.40 |
| 90   | 50   | 40   | 135  | 144  | 184  | 39.0 | 254  | 207  | 250  | 51   | 25           | 4.3  | 3.00 |
| 90   | 50   | 50   | 135  | 144  | 184  | 39.0 | 254  | 207  | 250  | 51   | 25           | 4.3  | 3.00 |
| 110  | 25   | 15   | 87   | 88   | 149  | 21.5 | 227  | 171  | 190  | 56   | 13           | 5.3  | 1.90 |
| 110  | 25   | 20   | 87   | 88   | 149  | 21.5 | 227  | 171  | 190  | 56   | 13           | 5.3  | 1.90 |
| 110  | 25   | 25   | 87   | 88   | 149  | 21.5 | 227  | 171  | 190  | 56   | 13           | 5.3  | 2.40 |
| 110  | 50   | 40   | 135  | 144  | 194  | 39.0 | 276  | 219  | 250  | 60   | 25           | 5.3  | 3.00 |
| 110  | 50   | 50   | 135  | 144  | 194  | 39.0 | 276  | 219  | 250  | 60   | 25           | 5.3  | 3.00 |
| 140  | 25   | 25   | 87   | 87   | 155  | 21.5 | 258  | 186  | 310  | 70   | 12           | 6.7  | 2.40 |
| 140  | 50   | 32   | 135  | 144  | 204  | 39.0 | 291  | 219  | 310  | 78   | 25           | 6.7  | 2.40 |
| 140  | 50   | 40   | 135  | 144  | 204  | 39.0 | 291  | 219  | 310  | 78   | 25           | 6.7  | 3.00 |
| 140  | 50   | 50   | 135  | 144  | 204  | 39.0 | 291  | 219  | 310  | 78   | 25           | 6.7  | 3.00 |
| 160  | 25   | 25   | 87   | 87   | 161  | 21.5 | 278  | 196  | 310  | 81   | 12           | 7.7  | 2.40 |
| 160  | 50   | 32   | 135  | 144  | 213  | 39.0 | 301  | 219  | 310  | 87   | 25           | 7.7  | 2.40 |
| 160  | 50   | 40   | 135  | 144  | 213  | 39.0 | 301  | 219  | 310  | 87   | 25           | 7.7  | 3.00 |
| 160  | 50   | 50   | 135  | 144  | 213  | 39.0 | 301  | 219  | 310  | 87   | 25           | 7.7  | 3.00 |

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