

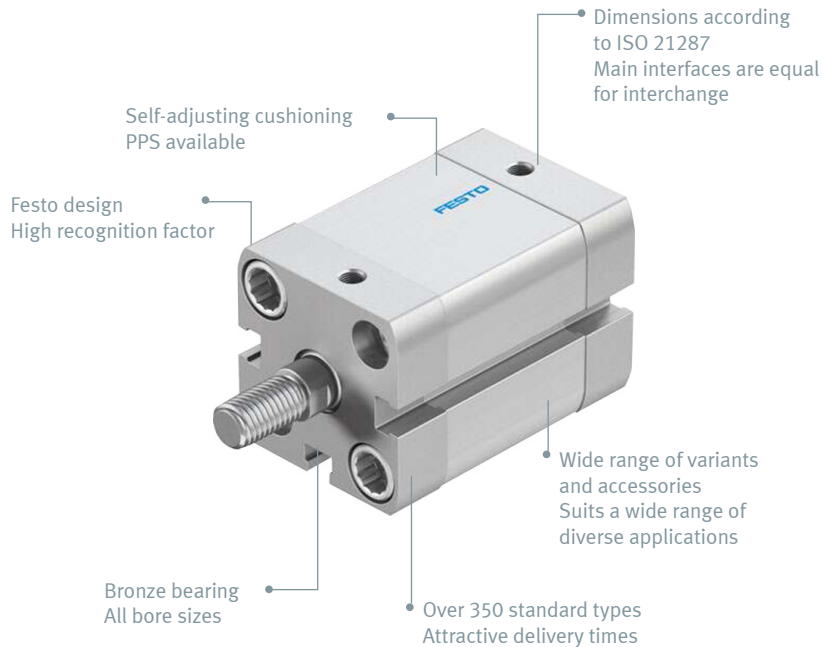


## In stock products, ready to ship across North America

Get the products you need, when you need them—quickly and reliably. Festo FAST<sup>SM</sup> ensures next-day shipping on in-stock items from our state-of-the-art Mason, Ohio facility, backed by dependable service to keep your operations running smoothly.



# Compact cylinders - ADN, to ISO 21287



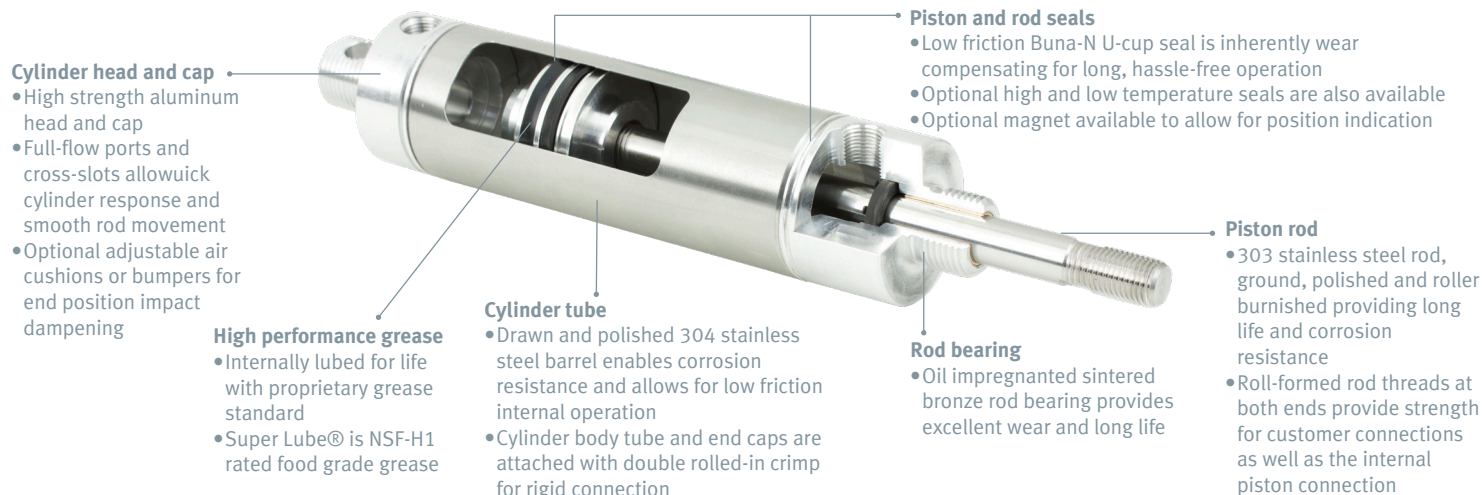
| 001        | 002                                                         | 003 | 004 | 005 | 006 |
|------------|-------------------------------------------------------------|-----|-----|-----|-----|
| ADN        |                                                             |     |     |     | A   |
| <b>001</b> | <b>Type</b>                                                 |     |     |     |     |
| ADN        | Standards-based cylinder, double-acting, based on ISO 21287 |     |     |     |     |
| <b>002</b> | <b>Piston Ø [mm]</b>                                        |     |     |     |     |
| ---        | 12, 16, 20, 25, 32, 40, 50, 63, 80                          |     |     |     |     |
| <b>003</b> | <b>Stroke [mm]</b>                                          |     |     |     |     |
| ---        | 5, 10, 15, 20, 25, 30, 40, 50, 80                           |     |     |     |     |
| <b>004</b> | <b>Piston rod thread type</b>                               |     |     |     |     |
| A          | Male thread                                                 |     |     |     |     |
| I          | Female thread                                               |     |     |     |     |
| <b>005</b> | <b>Cushioning</b>                                           |     |     |     |     |
| P          | Elastic cushioning rings/plates at both ends                |     |     |     |     |
| <b>006</b> | <b>Position sensing</b>                                     |     |     |     |     |
| A          | Via proximity switch                                        |     |     |     |     |

## Ordering – Basic design

| 003<br>Stroke<br>[mm] | 002 Piston Ø [mm]                                                         |         |         |        |         |         |         |        |        |
|-----------------------|---------------------------------------------------------------------------|---------|---------|--------|---------|---------|---------|--------|--------|
|                       | 12                                                                        | 16      | 20      | 25     | 32      | 40      | 50      | 63     | 80     |
|                       | 004 Piston rod with male thread – 005 Cushioning – 006 Position sensing   |         |         |        |         |         |         |        |        |
|                       | A-P-A                                                                     |         |         |        |         |         |         |        |        |
| 5                     | 536204                                                                    | 536219  | 536234  | 536251 | 536268  | 536289  | 536310  |        |        |
| 10                    | 536205                                                                    | 536220  | 536235  | 536252 | 536269  | 536290  | 536311  | 536332 | 536353 |
| 15                    | 536206                                                                    | 536221  | 536236  | 536253 | 536270  | 536291  | 536312  | 536333 | 536354 |
| 20                    | 536207                                                                    | 536222  | 536237  | 536254 | 536271  | 536292  | 536313  | 536334 | 536355 |
| 25                    | 536208                                                                    | 536223  | 536238  | 536255 | 536272  | 536293  | 536314  | 536335 | 536356 |
| 30                    | 536209                                                                    | 536224  | 536239  | 536256 | 536273  | 536294  | 536315  | 536336 | 536357 |
| 35                    | 8178327                                                                   | 8178762 | 8178859 | 574647 | 576645  | 8179031 | 8178336 |        |        |
| 40                    | 536210                                                                    | 536225  | 536240  | 536257 | 536274  | 536295  | 536316  | 536337 | 536358 |
| 50                    | 8178548                                                                   | 536331  | 536241  | 536258 | 536275  | 536296  | 536317  | 536338 | 536359 |
| 60                    |                                                                           |         | 536352  | 536373 | 536276  | 536297  | 536318  | 536339 | 536360 |
| 80                    |                                                                           |         |         |        | 536277  | 536298  | 536319  | 536340 | 536361 |
|                       | 004 Piston rod with female thread – 005 Cushioning – 006 Position sensing |         |         |        |         |         |         |        |        |
|                       | I-P-A                                                                     |         |         |        |         |         |         |        |        |
| 5                     | 536211                                                                    | 536226  | 536242  | 536259 | 536278  | 536299  | 536320  |        |        |
| 10                    | 536212                                                                    | 536227  | 536243  | 536260 | 536279  | 536300  | 536321  | 536342 | 536363 |
| 15                    | 536213                                                                    | 536228  | 536244  | 536261 | 536280  | 536301  | 536322  | 536343 | 536364 |
| 20                    | 536214                                                                    | 536229  | 536245  | 536262 | 536281  | 536302  | 536323  | 536344 | 536365 |
| 25                    | 536215                                                                    | 536230  | 536246  | 536263 | 536282  | 536303  | 536324  | 536345 | 536366 |
| 30                    | 536216                                                                    | 536231  | 536247  | 536264 | 536283  | 536304  | 536325  | 536346 | 536367 |
| 35                    |                                                                           | 8178765 | 578011  | 608920 | 8179019 | 8179033 | 8178619 |        |        |
| 40                    | 536217                                                                    | 536232  | 536248  | 536265 | 536284  | 536305  | 536326  | 536347 | 536368 |
| 50                    | 8178550                                                                   | 536341  | 536249  | 536266 | 536285  | 536306  | 536327  | 536348 | 536369 |
| 60                    |                                                                           |         | 536362  | 536383 | 536286  | 536307  | 536328  | 536349 | 536370 |
| 80                    |                                                                           |         |         |        | 536287  | 536308  | 536329  | 536350 | 536371 |



# Interchangeable inch round air cylinder DPRA



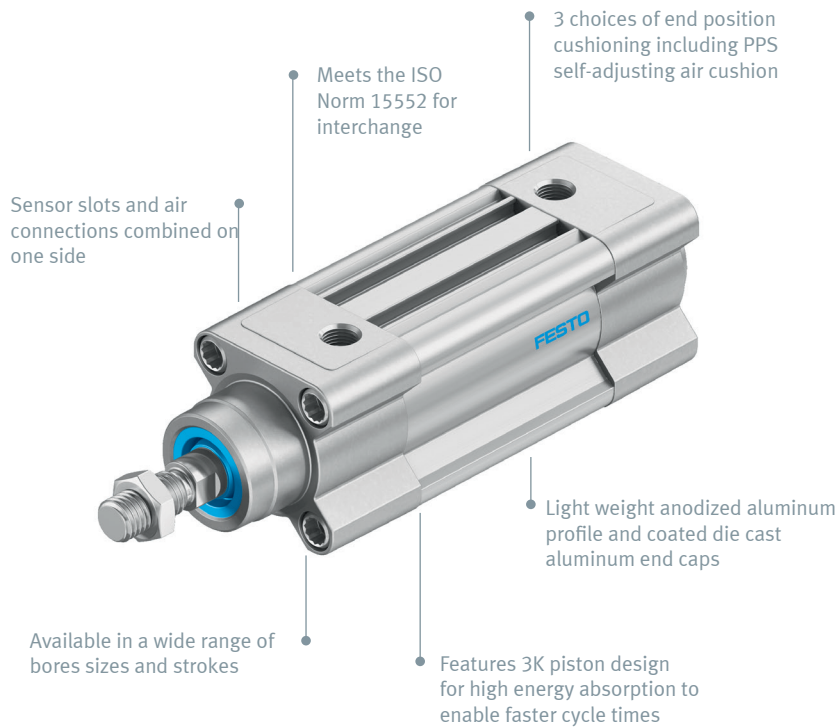
| Nose mount,<br>axial port                                                                                    |        | Piston diameter |                        |         |                           |         |                        |         |                          |         |                    |
|--------------------------------------------------------------------------------------------------------------|--------|-----------------|------------------------|---------|---------------------------|---------|------------------------|---------|--------------------------|---------|--------------------|
|                                                                                                              |        | 3/4"            |                        | 1 1/16" |                           | 1 1/4"  |                        | 1 1/2"  |                          | 2"      |                    |
|  Stroke length<br>[inches] | 1/2"   | 8217823         | DPRA-N-3/4"-0.5-NGP4-N | 8217854 | DPRA-N-1 1/16"-0.5-NGP4-N |         |                        |         |                          |         |                    |
|                                                                                                              | 1"     | 8217824         | DPRA-N-3/4"-1-NGP4-N   | 8217838 | DPRA-N-1 1/16"-1-NGP4-N   | 8217855 | DPRA-N-1 1/4"-1-NGP4-N | 8217879 | DPRA-N-1 1/2"-1-NGP4-N   | 8217891 | DPRA-N-2"-1-NGP4-N |
|                                                                                                              | 1 1/2" | 8217826         | DPRA-N-3/4"-1.5-NGP4-N | 8217853 | DPRA-N-1 1/16"-1.5-NGP4-N |         |                        | 8217866 | DPRA-N-1 1/2"-1.5-NGP4-N |         |                    |
|                                                                                                              | 2"     | 8217827         | DPRA-N-3/4"-2-NGP4-N   | 8217845 | DPRA-N-1 1/16"-2-NGP4-N   | 8217856 | DPRA-N-1 1/4"-2-NGP4-N | 8217867 | DPRA-N-1 1/2"-2-NGP4-N   | 8217880 | DPRA-N-2"-2-NGP4-N |
|                                                                                                              | 3"     | 8217828         | DPRA-N-3/4"-3-NGP4-N   | 8217846 | DPRA-N-1 1/16"-3-NGP4-N   | 8217857 | DPRA-N-1 1/4"-3-NGP4-N | 8217868 | DPRA-N-1 1/2"-3-NGP4-N   | 8217881 | DPRA-N-2"-3-NGP4-N |
|                                                                                                              | 4"     | 8217829         | DPRA-N-3/4"-4-NGP4-N   | 8217842 | DPRA-N-1 1/16"-4-NGP4-N   | 8217858 | DPRA-N-1 1/4"-4-NGP4-N | 8217869 | DPRA-N-1 1/2"-4-NGP4-N   | 8217882 | DPRA-N-2"-4-NGP4-N |
|                                                                                                              | 5"     |                 |                        | 8217844 | DPRA-N-1 1/16"-5-NGP4-N   | 8217859 | DPRA-N-1 1/4"-5-NGP4-N | 8217870 | DPRA-N-1 1/2"-5-NGP4-N   | 8217883 | DPRA-N-2"-5-NGP4-N |
|                                                                                                              | 6"     |                 |                        |         |                           |         |                        | 8217871 | DPRA-N-1 1/2"-6-NGP4-N   | 8217884 | DPRA-N-2"-6-NGP4-N |

| Rear pivot                                                                                                   |        | Piston diameter |                      |         |                         |         |                     |         |                        |         |                  |
|--------------------------------------------------------------------------------------------------------------|--------|-----------------|----------------------|---------|-------------------------|---------|---------------------|---------|------------------------|---------|------------------|
|                                                                                                              |        | 3/4"            |                      | 1 1/16" |                         | 1 1/4"  |                     | 1 1/2"  |                        | 2"      |                  |
|  Stroke length<br>[inches] | 1/2"   | 8217830         | DPRA-N-3/4"-0.5-ME-N | 8217839 | DPRA-N-1 1/16"-0.5-ME-N |         |                     |         |                        |         |                  |
|                                                                                                              | 1"     | 8217825         | DPRA-N-3/4"-1-ME-N   | 8217840 | DPRA-N-1 1/16"-1-ME-N   | 8217860 | DPRA-N-1 1/4"-1-U-N | 8217872 | DPRA-N-1 1/2"-1-ME-N   | 8217885 | DPRA-N-2"-1-UB-N |
|                                                                                                              | 1 1/2" | 8217831         | DPRA-N-3/4"-1.5-ME-N | 8217849 | DPRA-N-1 1/16"-1.5-ME-N |         |                     | 8217873 | DPRA-N-1 1/2"-1.5-ME-N |         |                  |
|                                                                                                              | 2"     | 8217832         | DPRA-N-3/4"-2-ME-N   | 8217847 | DPRA-N-1 1/16"-2-ME-N   | 8217865 | DPRA-N-1 1/4"-2-U-N | 8217874 | DPRA-N-1 1/2"-2-ME-N   | 8217886 | DPRA-N-2"-2-UB-N |
|                                                                                                              | 3"     | 8217833         | DPRA-N-3/4"-3-ME-N   | 8217848 | DPRA-N-1 1/16"-3-ME-N   | 8217861 | DPRA-N-1 1/4"-3-U-N | 8217875 | DPRA-N-1 1/2"-3-ME-N   | 8217887 | DPRA-N-2"-3-UB-N |
|                                                                                                              | 4"     | 8217834         | DPRA-N-3/4"-4-ME-N   | 8217843 | DPRA-N-1 1/16"-4-ME-N   | 8217862 | DPRA-N-1 1/4"-4-U-N | 8217876 | DPRA-N-1 1/2"-4-ME-N   | 8217888 | DPRA-N-2"-4-UB-N |
|                                                                                                              | 5"     | 8217835         | DPRA-N-3/4"-5-ME-N   | 8217850 | DPRA-N-1 1/16"-5-ME-N   | 8217863 | DPRA-N-1 1/4"-5-U-N | 8217877 | DPRA-N-1 1/2"-5-ME-N   | 8217889 | DPRA-N-2"-5-UB-N |
|                                                                                                              | 6"     |                 |                      | 8217852 | DPRA-N-1 1/16"-6-ME-N   | 8217864 | DPRA-N-1 1/4"-6-U-N | 8217878 | c DPRA-N-1 1/2"-6-ME-N | 8217890 | DPRA-N-2"-6-UB-N |

| Single acting, spring return |    | Piston diameter |                       |         |                          |
|------------------------------|----|-----------------|-----------------------|---------|--------------------------|
|                              |    | 3/4"            |                       | 1 1/16" |                          |
| Nose mount                   | 1" | 8217836         | DPRA-N-3/4"-1-SNGP4-N | 8217851 | DPRA-N-1 1/16"-1-SNGP4-N |
| Rear pivot                   | 1" | 8217837         | DPRA-N-3/4"-1-SME-N   | 8217841 | DPRA-N-1 1/16"-1-SME-N   |



# Standards-based cylinders - DSBC, to ISO 15552



|      |     |     |     |     |     |
|------|-----|-----|-----|-----|-----|
| 001  | 004 | 005 | 008 | 009 | 010 |
| DSBC |     |     |     | A   | N3  |

| 001  | Type                                                        |
|------|-------------------------------------------------------------|
| DSBC | Standards-based cylinder, double-acting, based on ISO 15552 |

| 004 | Piston Ø [mm]      |
|-----|--------------------|
| --- | 32, 40, 50, 63, 80 |

| 005 | Stroke [mm]                                                                      |
|-----|----------------------------------------------------------------------------------|
| --- | 20, 25, 30, 40, 50, 60, 70, 80, 100, 125, 150, 160, 200, 250, 300, 320, 400, 500 |

| 008 | Cushioning                                        |
|-----|---------------------------------------------------|
| PPV | Pneumatic cushioning, adjustable at both ends     |
| PPS | Pneumatic cushioning, self-adjusting at both ends |

| 009 | Position sensing     |
|-----|----------------------|
| A   | Via proximity switch |

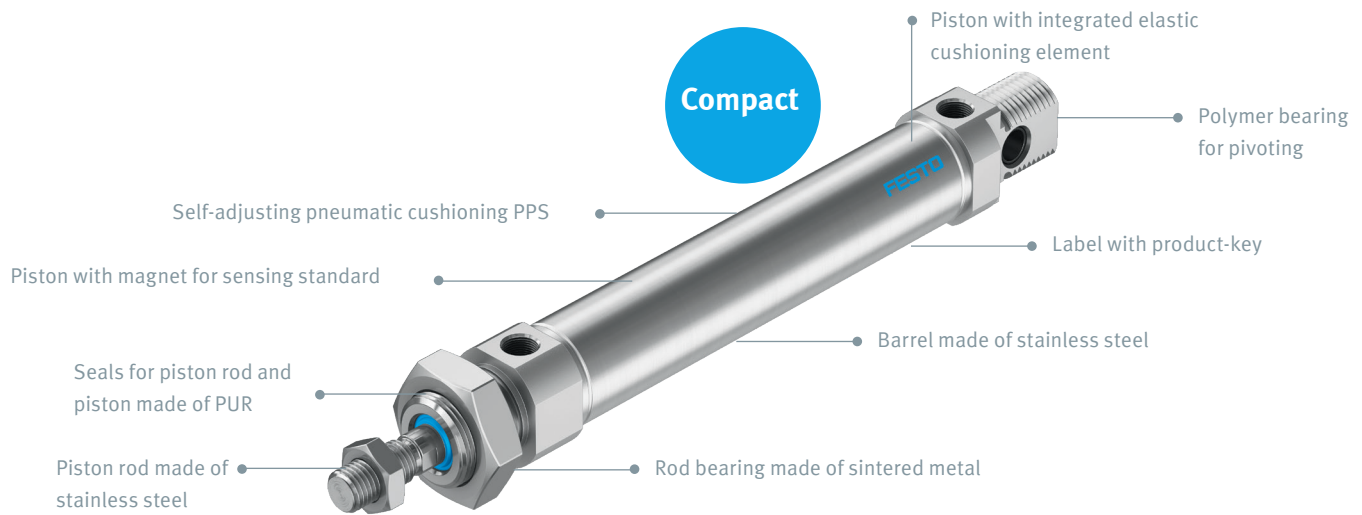
| 010 | Standard              |
|-----|-----------------------|
| N3  | Conforms to ISO 15552 |

## Ordering – Basic design

| 005<br>Stroke<br>[mm] | 004 Piston Ø [mm]                                                 |         |         |         |         | 004 Piston Ø [mm] |         |         |         |         |
|-----------------------|-------------------------------------------------------------------|---------|---------|---------|---------|-------------------|---------|---------|---------|---------|
|                       | 32                                                                | 40      | 50      | 63      | 80      | 32                | 40      | 50      | 63      | 80      |
|                       | 008 Cushioning – 009 Position sensing – 010 Conforms to ISO 15552 |         |         |         |         |                   |         |         |         |         |
|                       | PPV                                                               |         |         |         |         | PPS               |         |         |         |         |
| 20                    | 2123069                                                           | 2123166 | 2098969 | 2125490 | 2126594 | 2123085           | 2123780 | 2102628 | 2126684 | 2126636 |
| 25                    | 1376422                                                           | 1376656 | 1366948 | 1383578 | 1383333 | 1376467           | 1376903 | 1376301 | 1383632 | 1383366 |
| 30                    | 2123070                                                           | 2123167 | 2098970 | 2125491 | 2126595 | 2123086           | 2123781 | 2102629 | 2126685 | 2126637 |
| 40                    | 1376423                                                           | 1376657 | 1366949 | 1383579 | 1383334 | 1376468           | 1376904 | 1376304 | 1383633 | 1383367 |
| 50                    | 1376424                                                           | 1376658 | 1366950 | 1383580 | 1383335 | 1376469           | 1376905 | 1376305 | 1383634 | 1383368 |
| 60                    | 2123071                                                           | 2123224 | 2098972 | 2125492 | 2126597 | 2123087           | 2123782 | 2102630 | 2126686 | 2126638 |
| 70                    | 2123072                                                           | 2123225 | 2098973 | 2125493 | 2126598 | 2123088           | 2123783 | 2102631 | 2126687 | 2126639 |
| 80                    | 1376425                                                           | 1376659 | 1366951 | 1383581 | 1383336 | 1376470           | 1376906 | 1376306 | 1383635 | 1383369 |
| 100                   | 1376426                                                           | 1376660 | 1366952 | 1383582 | 1383337 | 1376471           | 1376907 | 1376307 | 1383636 | 1383370 |
| 125                   | 1376427                                                           | 1376661 | 1366953 | 1383583 | 1383338 | 1376472           | 1376908 | 1376308 | 1383637 | 1383371 |
| 150                   | 2123073                                                           | 2123226 | 2098974 | 2125494 | 2126599 | 2123089           | 2123784 | 2102632 | 2126688 | 2126640 |
| 160                   | 1376428                                                           | 1376662 | 1366954 | 1383584 | 1383339 | 1376473           | 1376909 | 1376309 | 1383638 | 1383372 |
| 200                   | 1376429                                                           | 1376663 | 1366955 | 1383585 | 1383340 | 1376474           | 1376910 | 1376310 | 1383639 | 1383373 |
| 250                   | 1376430                                                           | 1376664 | 1366956 | 1383586 | 1383341 | 1376475           | 1376911 | 1376311 | 1383640 | 1383374 |
| 300                   | 2123074                                                           | 2123227 | 2098975 | 2125495 | 2126600 | 2123090           | 2123785 | 2102633 | 2126689 | 2126641 |
| 320                   | 1376431                                                           | 1376665 | 1366957 | 1383587 | 1383342 | 1376476           | 1376912 | 1376312 | 1383641 | 1383375 |
| 400                   | 1376432                                                           | 1376666 | 1366958 | 1383588 | 1383343 | 1376477           | 1376913 | 1376313 | 1383642 | 1383376 |
| 500                   | 1376433                                                           | 1376667 | 1366959 | 1383589 | 1383344 | 1376478           | 1376914 | 1376314 | 1383643 | 1383377 |



# Round cylinder - DSNU-ISO type



| 003<br>Stroke<br>[mm] | 002 Piston Ø [mm]             |         |         |         |         |         |         |         |         |        |         |         |         |        |
|-----------------------|-------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|---------|---------|--------|
|                       | 10                            | 12      | 16      | 20      | 25      | 32      | 16      | 20      | 25      | 32     | 16      | 20      | 25      | 32     |
|                       | Cushioning - Position sensing |         |         |         |         |         |         |         |         |        |         |         |         |        |
|                       | P - A                         |         |         |         |         | PPV - A |         |         |         |        | PPS - A |         |         |        |
| 10                    | 19183                         | 19189   | 19198   | 19207   | 19218   |         | 1908266 | 1908289 | 1908312 |        | 1908274 | 1908297 | 1908320 |        |
| 15                    | 1908251                       | 1908255 | 1908259 | 1908282 | 1908305 |         | 1908267 | 1908290 | 1908313 |        | 1908275 | 1908298 | 1908321 |        |
| 20                    | 1908252                       | 1908256 | 1908260 | 1908283 | 1908306 |         | 1908268 | 1908291 | 1908314 |        | 1908276 | 1908299 | 1908322 |        |
| 25                    | 19184                         | 19190   | 19199   | 19208   | 19219   | 195980  | 33973   | 33974   | 33975   | 196020 | 559263  | 559271  | 559282  | 559295 |
| 30                    | 1908253                       | 1908257 | 1908261 | 1908284 | 1908307 |         | 1908269 | 1908292 | 1908315 |        | 1908277 | 1908300 | 1908323 |        |
| 35                    |                               |         | 1908262 | 1908285 | 1908308 |         | 1908270 | 1908293 | 1908316 |        | 1908278 | 1908301 | 1908324 |        |
| 40                    | 19185                         | 19191   | 19200   | 19209   | 19220   | 195981  | 19229   | 19236   | 19245   | 196021 | 559264  | 559272  | 559283  | 559296 |
| 50                    | 19186                         | 19192   | 19201   | 19210   | 19221   | 195982  | 19230   | 19237   | 19246   | 196022 | 559265  | 559273  | 559284  | 559297 |
| 60                    | 1908254                       | 1908258 | 1908263 | 1908286 | 1908309 |         | 1908271 | 1908294 | 1908317 |        | 1908279 | 1908302 | 1908325 |        |
| 70                    |                               |         | 1908264 | 1908287 | 1908310 |         | 1908272 | 1908295 | 1908318 |        | 1908280 | 1908303 | 1908326 |        |
| 80                    | 19187                         | 19193   | 19202   | 19211   | 19222   | 195983  | 19231   | 19238   | 19247   | 196023 | 559266  | 559274  | 559285  | 559298 |
| 100                   | 19188                         | 19194   | 19203   | 19212   | 19223   | 195984  | 19232   | 19239   | 19248   | 196024 | 559267  | 559275  | 559286  | 559299 |
| 125                   |                               | 19195   | 19204   | 19213   | 19224   | 195985  | 19233   | 19240   | 19249   | 196025 | 559268  | 559276  | 559287  | 559300 |
| 150                   |                               |         | 1908265 | 1908288 | 1908311 |         | 1908273 | 1908296 | 1908319 |        | 1908281 | 1908304 | 1908327 |        |
| 160                   |                               | 19196   | 19205   | 19214   | 19225   | 195986  | 19234   | 19241   | 19250   | 196026 | 559269  | 559277  | 559288  | 559301 |
| 200                   |                               | 19197   | 19206   | 19215   | 19226   | 195987  | 19235   | 19242   | 19251   | 196027 | 559270  | 559278  | 559289  | 559302 |
| 250                   |                               |         |         | 19216   | 19227   | 195988  |         | 19243   | 19252   | 196028 |         | 559279  | 559290  | 559303 |
| 300                   |                               |         |         | 19217   | 19228   |         |         | 19244   | 19253   |        |         | 559280  | 559291  |        |
| 320                   |                               |         |         | 34718   | 34719   | 195989  |         | 34720   | 34721   | 196029 |         | 559281  | 559292  | 559304 |
| 400                   |                               |         |         |         |         |         |         |         |         |        |         |         | 559293  |        |
| 500                   |                               |         |         |         |         |         |         |         |         |        |         |         | 559294  |        |

NOTE: Additional sizes are also available. Please contact Festo.



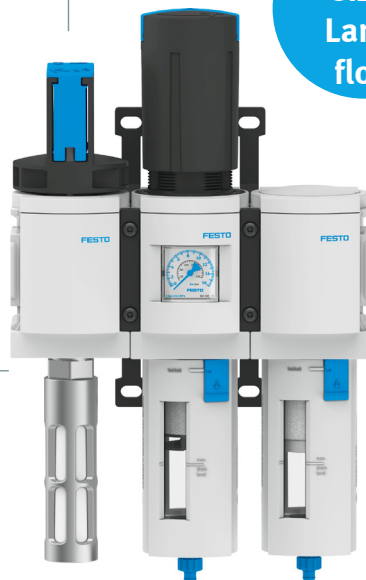
# Air preparation - MS series



Integrated lockability for lock out tag out & to prevent tampering with set pressures

Suitable for standard applications as well as applications with very high airuality requirements

Available as individual components or pre-assembled combinations ex-stock



Small size, Large flow

Equipped with newly redesigned auto-drain with higher reliability and enhanced performance

Incorporate the MS6-SV safety valves for fast and reliable exhausting of systems up to Performance Level d or e, certified to EN ISO 13849-1



## LR-Regulator



| Size                                                                                               | Housing material                                | Port size | Pressure gauge scale | Weight [g] | Flow [l/m] | Part number | Type              |  |
|----------------------------------------------------------------------------------------------------|-------------------------------------------------|-----------|----------------------|------------|------------|-------------|-------------------|--|
| <div>MS4</div>  | LR regulator, regulating range 0.3 ... 4.0 Bar  |           |                      |            |            |             |                   |  |
|                                                                                                    | Metal                                           | G1/4      | bar/psi              | 225        | 2100       | 529415      | MS4-LR-1/4-D5-AS  |  |
|                                                                                                    |                                                 | 1/4 NPT   |                      |            |            | 531418      | MS4N-LR-1/4-D5-AS |  |
|                                                                                                    | LR regulator, regulating range 0.3 ... 7 bar    |           |                      |            |            |             |                   |  |
|                                                                                                    | Metal                                           | G1/4      | bar/psi              | 225        | 1800       | 529417      | MS4-LR-1/4-D6-AS  |  |
|                                                                                                    |                                                 | 1/4 NPT   |                      |            |            | 531422      | MS4N-LR-1/4-D6-AS |  |
|                                                                                                    | LR regulator, regulating range 0.5 ... 10.0 Bar |           |                      |            |            |             |                   |  |
|                                                                                                    | Metal                                           | G1/4      | bar/psi              | 225        | 1700       | 529419      | MS4-LR-1/4-D7-AS  |  |
|                                                                                                    |                                                 | 1/4 NPT   |                      |            |            | 531426      | MS4N-LR-1/4-D7-AS |  |
| <div>MS6</div>  | LR regulator, regulating range 0.3 ... 4.0 Bar  |           |                      |            |            |             |                   |  |
|                                                                                                    | Metal                                           | G1/2      | bar/psi              | 730        | 7500       | 529989      | MS6-LR-1/2-D5-AS  |  |
|                                                                                                    |                                                 | 1/2 NPT   |                      |            |            | 531443      | MS6N-LR-1/2-D5-AS |  |
|                                                                                                    | LR regulator, regulating range 0.3 ... 7.0 Bar  |           |                      |            |            |             |                   |  |
|                                                                                                    | Metal                                           | G1/2      | bar/psi              | 730        | 6500       | 529991      | MS6-LR-1/2-D6-AS  |  |
|                                                                                                    |                                                 | 1/2 NPT   |                      |            |            | 531449      | MS6N-LR-1/2-D6-AS |  |
|                                                                                                    | LR regulator, regulating range 0.5 ... 10.0 Bar |           |                      |            |            |             |                   |  |
|                                                                                                    | Metal                                           | G1/2      | bar/psi              | 730        | 5500       | 529993      | MS6-LR-1/2-D7-AS  |  |
|                                                                                                    |                                                 | 1/2 NPT   |                      |            |            | 531455      | MS6N-LR-1/2-D7-AS |  |



| LFR-Filter/Regulator                                                              |                                                  |           |                       |                      |                     |            |                 |                       |                        |  |
|-----------------------------------------------------------------------------------|--------------------------------------------------|-----------|-----------------------|----------------------|---------------------|------------|-----------------|-----------------------|------------------------|------------------------------------------------------------------------------------|
| Size                                                                              | Housing material                                 | Port size | Filtration level [µm] | Pressure gauge scale | Condensate draining | Weight [g] | Flow rate [l/m] | Part number           | Type                   |                                                                                    |
|  | LFR regulator, regulating range 0.3 ... 7 bar    |           |                       |                      |                     |            |                 |                       |                        |                                                                                    |
|                                                                                   | Metal                                            | G1/4      | 5                     | bar/psi              | Manual              | 275        | 1500            | 529144                | MS4-LFR-1/4-D6-CRM-AS  |                                                                                    |
|                                                                                   |                                                  |           | Auto                  |                      | 529146              |            |                 | MS4-LFR-1/4-D6-CRV-AS |                        |                                                                                    |
|                                                                                   |                                                  |           | 40                    |                      | Manual              |            | 1700            | 529148                | MS4-LFR-1/4-D6-ERM-AS  |                                                                                    |
|                                                                                   |                                                  |           |                       |                      | Auto                |            |                 | 529150                | MS4-LFR-1/4-D6-ERV-AS  |                                                                                    |
|                                                                                   |                                                  | 1/4 NPT   | 5                     |                      | Manual              | 275        | 1500            | 531229                | MS4N-LFR-1/4-D6-CRM-AS |                                                                                    |
|                                                                                   |                                                  |           |                       |                      | Auto                |            |                 | 531233                | MS4N-LFR-1/4-D6-CRV-AS |                                                                                    |
|                                                                                   |                                                  |           | 40                    |                      | Manual              |            | 1700            | 531221                | MS4N-LFR-1/4-D6-ERM-AS |                                                                                    |
|                                                                                   |                                                  |           |                       |                      | Auto                |            |                 | 531225                | MS4N-LFR-1/4-D6-ERV-AS |                                                                                    |
|                                                                                   | LFR regulator, regulating range 0.5 ... 10.0 Bar |           |                       |                      |                     |            |                 |                       |                        |                                                                                    |
|                                                                                   | Metal                                            | G1/4      | 5                     | bar/psi              | Manual              | 275        | 1200            | 529152                | MS4-LFR-1/4-D7-CRM-AS  |                                                                                    |
|                                                                                   |                                                  |           | Auto                  |                      | 529154              |            |                 | MS4-LFR-1/4-D7-CRV-AS |                        |                                                                                    |
|                                                                                   |                                                  |           | 40                    |                      | Manual              |            | 1500            | 529156                | MS4-LFR-1/4-D7-ERM-AS  |                                                                                    |
|                                                                                   |                                                  |           |                       |                      | Auto                |            |                 | 529158                | MS4-LFR-1/4-D7-ERV-AS  |                                                                                    |
|                                                                                   |                                                  | 1/4 NPT   | 5                     |                      | Manual              | 275        | 1200            | 531213                | MS4N-LFR-1/4-D7-CRM-AS |                                                                                    |
|                                                                                   |                                                  |           |                       |                      | Auto                |            |                 | 531217                | MS4N-LFR-1/4-D7-CRV-AS |                                                                                    |
|                                                                                   |                                                  |           | 40                    |                      | Manual              |            | 1500            | 531205                | MS4N-LFR-1/4-D7-ERM-AS |                                                                                    |
|                                                                                   |                                                  |           |                       |                      | Auto                |            |                 | 531209                | MS4N-LFR-1/4-D7-ERV-AS |                                                                                    |

| LWS - Water Separator                                                               |                  |           |                     |            |                 |             |                  |  |
|-------------------------------------------------------------------------------------|------------------|-----------|---------------------|------------|-----------------|-------------|------------------|---------------------------------------------------------------------------------------|
| Size                                                                                | Housing material | Port size | Condensate draining | Weight [g] | Flow rate [l/m] | Part number | Type             |                                                                                       |
|  | Metal            | G1/2      | Automatic           | 820        | 3800            | 529679      | MS6-LWS-1/2-U-V  |                                                                                       |
|                                                                                     |                  | 1/2 NPT   |                     |            |                 | 564873      | MS6N-LWS-1/2-U-V |                                                                                       |

| LF-Filter                                                                                       |                  |           |                       |                     |            |                 |             |                 |  |
|-------------------------------------------------------------------------------------------------|------------------|-----------|-----------------------|---------------------|------------|-----------------|-------------|-----------------|-------------------------------------------------------------------------------------|
| Size                                                                                            | Housing material | Port size | Filtration level [µm] | Condensate draining | Weight [g] | Flow rate [l/m] | Part number | Type            |                                                                                     |
| <b>MS4</b><br> | Metal            | G1/4      | 5                     | Manual              | 189        | 1300            | 529395      | MS4-LF-1/4-CRM  |                                                                                     |
|                                                                                                 |                  |           |                       | Auto                |            |                 | 529397      | MS4-LF-1/4-CRV  |                                                                                     |
|                                                                                                 |                  |           | 40                    | Manual              |            | 1700            | 529399      | MS4-LF-1/4-ERM  |                                                                                     |
|                                                                                                 |                  |           |                       | Auto                |            |                 | 529401      | MS4-LF-1/4-ERV  |                                                                                     |
|                                                                                                 |                  | 1/4 NPT   | 5                     | Manual              |            | 1300            | 531489      | MS4N-LF-1/4-CRM |                                                                                     |
|                                                                                                 |                  |           |                       | Auto                |            |                 | 531493      | MS4N-LF-1/4-CRV |                                                                                     |
|                                                                                                 |                  |           | 40                    | Manual              |            | 1700            | 531485      | MS4N-LF-1/4-ERM |                                                                                     |
|                                                                                                 |                  |           |                       | Auto                |            |                 | 531481      | MS4N-LF-1/4-ERV |                                                                                     |
|                                                                                                 |                  |           |                       |                     |            |                 |             |                 |                                                                                     |
| <b>MS6</b><br> | Metal            | G1/2      | 5                     | Manual              | 500        | 3200            | 529607      | MS6-LF-1/2-CRM  |                                                                                     |
|                                                                                                 |                  |           |                       | Auto                |            |                 | 529609      | MS6-LF-1/2-CRV  |                                                                                     |
|                                                                                                 |                  |           | 40                    | Manual              |            | 4100            | 529615      | MS6-LF-1/2-ERM  |                                                                                     |
|                                                                                                 |                  |           |                       | Auto                |            |                 | 529617      | MS6-LF-1/2-ERV  |                                                                                     |
|                                                                                                 |                  | 1/2 NPT   | 5                     | Manual              |            | 3200            | 531526      | MS6N-LF-1/2-CRM |                                                                                     |
|                                                                                                 |                  |           |                       | Auto                |            |                 | 531532      | MS6N-LF-1/2-CRV |                                                                                     |
|                                                                                                 |                  |           | 40                    | Manual              |            | 4100            | 531520      | MS6N-LF-1/2-ERM |                                                                                     |
|                                                                                                 |                  |           |                       | Auto                |            |                 | 531514      | MS6N-LF-1/2-ERV |                                                                                     |
|                                                                                                 |                  |           |                       |                     |            |                 |             |                 |                                                                                     |
|                                                                                                 |                  |           |                       |                     |            |                 |             |                 |                                                                                     |

| LFM-Filter                                                                                        |                  |           |                       |                     |            |                 |             |                  |  |
|---------------------------------------------------------------------------------------------------|------------------|-----------|-----------------------|---------------------|------------|-----------------|-------------|------------------|-------------------------------------------------------------------------------------|
| Size                                                                                              | Housing material | Port size | Filtration level [µm] | Condensate draining | Weight [g] | Flow rate [l/m] | Part number | Type             |                                                                                     |
| <br><b>MS4</b>  | Metal            | G1/4      | 1                     | Manual              | 190        | 360             | 529461      | MS4-LFM-1/4-BRM  |                                                                                     |
|                                                                                                   |                  |           | 0.01                  |                     |            |                 | 529459      | MS4-LFM-1/4-ARM  |                                                                                     |
|                                                                                                   |                  | 1/4 NPT   | 1                     |                     |            |                 | 531810      | MS4N-LFM-1/4-BRM |                                                                                     |
|                                                                                                   |                  |           | 0.01                  |                     |            |                 | 531812      | MS4N-LFM-1/4-ARM |                                                                                     |
| <br><b>MS6</b> |                  | G1/2      | 1                     |                     | 600        | 950             | 529659      | MS6-LFM-1/2-BRM  |                                                                                     |
|                                                                                                   |                  |           | 0.01                  |                     |            | 900             | 529655      | MS6-LFM-1/2-ARM  |                                                                                     |
|                                                                                                   |                  | 1/2 NPT   | 1                     |                     |            | 950             | 531849      | MS6N-LFM-1/2-BRM |                                                                                     |
|                                                                                                   |                  |           | 0.01                  |                     |            | 900             | 531861      | MS6N-LFM-1/2-ARM |                                                                                     |

| LFX-Filter                                                                                        |                  |           |                       |                     |            |                 |             |                |  |
|---------------------------------------------------------------------------------------------------|------------------|-----------|-----------------------|---------------------|------------|-----------------|-------------|----------------|---------------------------------------------------------------------------------------|
| Size                                                                                              | Housing material | Port size | Filtration level [µm] | Condensate draining | Weight [g] | Flow rate [l/m] | Part number | Type           |                                                                                       |
| <b>MS4</b><br> | Metal            | G1/4      | Active carbon         | Manual              | 190        | 360             | 529467      | MS4-LFX-1/4-R  |                                                                                       |
|                                                                                                   |                  | 1/4 NPT   |                       |                     |            |                 | 531764      | MS4N-LFX-1/4-R |                                                                                       |
| <b>MS6</b>                                                                                        |                  | G1/2      |                       |                     | 600        | 900             | 529679      | MS6-LFX-1/2-R  |                                                                                       |
|                                                                                                   |                  | 1/2 NPT   |                       |                     |            |                 | 531921      | MS6N-LFX-1/2-R |                                                                                       |

| EM1 - On/Off valve                                                                                |                  |           |               |            |                 |             |                |  |
|---------------------------------------------------------------------------------------------------|------------------|-----------|---------------|------------|-----------------|-------------|----------------|---------------------------------------------------------------------------------------|
| Size                                                                                              | Housing material | Port size | With silencer | Weight [g] | Flow rate [l/m] | Part number | Type           |                                                                                       |
| <br><b>MS4</b> | Metal            | G1/4      | Yes           | 210        | 2200            | 541259      | MS4-EM1-1/4-S  |                                                                                       |
|                                                                                                   |                  |           | No            | 190        |                 | 541258      | MS4-EM1-1/4    |                                                                                       |
|                                                                                                   |                  | 1/4 NPT   | Yes           | 210        |                 | 541281      | MS4N-EM1-1/4-S |                                                                                       |
|                                                                                                   |                  |           | No            | 190        |                 | 541280      | MS4N-EM1-1/4   |                                                                                       |
| <br><b>MS6</b> |                  | G1/2      | Yes           | 655        | 8700            | 541268      | MS6-EM1-1/2-S  |                                                                                       |
|                                                                                                   |                  |           | No            | 580        |                 | 541267      | MS6-EM1-1/2    |                                                                                       |
|                                                                                                   |                  | 1/2 NPT   | Yes           | 655        |                 | 541290      | MS6N-EM1-1/2-S |                                                                                       |
|                                                                                                   |                  |           | No            | 580        |                 | 541289      | MS6N-EM1-1/2   |                                                                                       |



| EE - Electric On/Off valve                                                        |                  |           |         |               |            |                 |             |                     |  |
|-----------------------------------------------------------------------------------|------------------|-----------|---------|---------------|------------|-----------------|-------------|---------------------|------------------------------------------------------------------------------------|
| Size                                                                              | Housing material | Port size | Voltage | With silencer | Weight [g] | Flow rate [l/m] | Part number | Type                |                                                                                    |
|  | Metal            | G1/4      | 10V24   | Yes           | 289        | 2000            | 542598      | MS4-EE-1/4-10V24-S  |                                                                                    |
|                                                                                   |                  |           |         | No            | 273        |                 | 542578      | MS4-EE-1/4-10V24    |                                                                                    |
|                                                                                   |                  | 1/4 NPT   |         | Yes           | 289        |                 | 542608      | MS4N-EE-1/4-10V24-S |                                                                                    |
|                                                                                   |                  |           |         | No            | 273        |                 | 542588      | MS4N-EE-1/4-10V24   |                                                                                    |
|  |                  | G1/2      |         | 1/2 NPT       | Yes        | 816             | 7000        | 542602              | MS6-EE-1/2-10V24-S                                                                 |
|                                                                                   |                  |           |         |               | No         | 740             |             | 542582              | MS6-EE-1/2-10V24                                                                   |
|                                                                                   |                  | 1/2 NPT   |         |               | Yes        | 816             |             | 542612              | MS6N-EE-1/2-10V24-S                                                                |
|                                                                                   |                  |           |         |               | No         | 740             |             | 542593              | MS6N-EE-1/2-10V24                                                                  |

| DL - Soft Start - Pneumatically Actuated                                                        |                  |           |            |                 |             |             |  |
|-------------------------------------------------------------------------------------------------|------------------|-----------|------------|-----------------|-------------|-------------|-------------------------------------------------------------------------------------|
| Size                                                                                            | Housing material | Port size | Weight [g] | Flow rate [l/m] | Part number | Type        |                                                                                     |
| <b>MS4</b><br> | Metal            | G1/4      | 213        | 2000            | 529531      | MS4-DL-1/4  |                                                                                     |
|                                                                                                 |                  | 1/4 NPT   |            |                 | 531991      | MS4N-DL-1/4 |                                                                                     |
| <b>MS6</b><br> |                  | G1/2      | 650        | 6450            | 529817      | MS6-DL-1/2  |                                                                                     |
|                                                                                                 |                  | 1/2 NPT   |            |                 | 532024      | MS6N-DL-1/2 |                                                                                     |

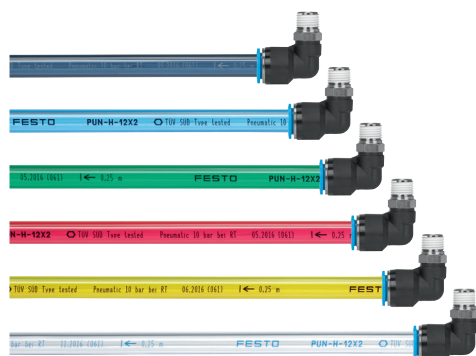
| FRM - Distributor Block                                                                           |                  |           |                  |                 |            |                 |             |              |  |
|---------------------------------------------------------------------------------------------------|------------------|-----------|------------------|-----------------|------------|-----------------|-------------|--------------|-------------------------------------------------------------------------------------|
| Size                                                                                              | Housing material | Port size | Outlet port size | Body width [mm] | Weight [g] | Flow rate [l/m] | Part number | Type         |                                                                                     |
| <b>MS4</b><br>  | Metal            | G1/4      | G1/4             | 40              | 165        | 500 - 4600      | 529555      | MS4-FRM-1/4  |                                                                                     |
|                                                                                                   |                  | 1/4 NPT   | 1/4 NPT          |                 |            |                 | 531949      | MS4N-FRM-1/4 |                                                                                     |
| <b>MS6</b><br> |                  | G1/2      | G1/2             | 62              | 458        | 2700 - 14700    | 529853      | MS6-FRM-1/2  |                                                                                     |
|                                                                                                   |                  | 1/2 NPT   | 1/2 NPT          |                 |            |                 | 531966      | MS6N-FRM-1/2 |                                                                                     |

| FRM - FRZ - Distributor Block                                                                     |                  |           |                  |                 |            |                 |             |              |  |
|---------------------------------------------------------------------------------------------------|------------------|-----------|------------------|-----------------|------------|-----------------|-------------|--------------|---------------------------------------------------------------------------------------|
| Size                                                                                              | Housing material | Port size | Outlet port size | Body width [mm] | Weight [g] | Flow rate [l/m] | Part number | Type         |                                                                                       |
| <b>MS4</b><br> | Metal            | G1/4      | G1/4             | 50              | 60         | 4050            | 549336      | MS4-FRM-FRZ  |                                                                                       |
|                                                                                                   |                  | 1/4 NPT   | 1/4 NPT          |                 |            |                 | 554101      | MS4N-FRM-FRZ |                                                                                       |
| <b>MS6</b><br> |                  | G1/2      | G1/2             | 31              | 163        | 14600           | 549337      | MS6-FRM-FRZ  |                                                                                       |
|                                                                                                   |                  | 1/2 NPT   | 1/2 NPT          |                 |            |                 | 554102      | MS6N-FRM-FRZ |                                                                                       |

| SV - Safety Valve                                                                                 |                  |           |                   |         |                       |               |            |                 |             |                                |  |
|---------------------------------------------------------------------------------------------------|------------------|-----------|-------------------|---------|-----------------------|---------------|------------|-----------------|-------------|--------------------------------|---------------------------------------------------------------------------------------|
| Size                                                                                              | Housing material | Port size | Performance level | Voltage | Sensor connection     | With silencer | Weight [g] | Flow rate [l/m] | Part number | Description                    |                                                                                       |
| <br><b>MS6</b> | Metal            | G1/2      | C                 | 10V24   | n/a                   | Yes           | 1006       | 5700            | 8001469     | MS6-SV-1/2-C-10V24-S           |                                                                                       |
|                                                                                                   |                  |           | D                 | 10V24   | M8                    | Yes           | 2110       | 4300            | 8038490     | MS6-SV-1/2-D-10V24-2M8-SO-AG   |                                                                                       |
|                                                                                                   |                  |           |                   | 10V24P  | M12                   | Yes           |            |                 | 8038491     | MS6-SV-1/2-D-10V24P-2M12-SO-AG |                                                                                       |
|                                                                                                   |                  |           | E                 | 10V24   | MPx(order separately) | Yes           | 2200       |                 | 548717      | MS6-SV-1/2-E-10V24-SO-AG       |                                                                                       |
|                                                                                                   |                  |           |                   |         |                       | No            |            |                 | 548715      | MS6-SV-1/2-E-10V24-AG          |                                                                                       |
|                                                                                                   |                  |           |                   |         |                       |               |            |                 |             |                                |                                                                                       |
|                                                                                                   |                  |           |                   |         |                       |               |            |                 |             |                                |                                                                                       |



# Polyurethane tubing - PUN-H



**Versatile!**

- Diameters 4mm...16mm OD & 1/8...5/8 inch OD
- Highly flexible tubing
- Resistant to hydrolysis and microbes
- UV-resistant
- Food-safe
- FDA-listed material
- Kink-resistant
- Solid and translucent colors
- DUO tube available in Blue & Black

| PUN-H - Solid Colors |               |                    |        |        |        |        |        |        |
|----------------------|---------------|--------------------|--------|--------|--------|--------|--------|--------|
| ODD                  | Packed length | Packaging material | Blue   | Black  | Silver | Red    | Green  | Yellow |
| 4 mm                 | 50 m          | Box                | 197383 | 197390 | 558278 | 558285 | 558292 | 558299 |
|                      | 500 m         | Spool              | 558257 | 558250 | 558271 |        |        |        |
| 6 mm                 | 50 m          | Box                | 197384 | 197391 | 558279 | 558286 | 558293 | 558300 |
|                      | 500 m         | Spool              | 558258 | 558251 | 558272 |        |        |        |
| 8 mm                 | 50 m          | Box                | 197385 | 197392 | 558280 | 558287 | 558294 | 558301 |
|                      | 400 m         | Spool              | 558259 | 558252 | 558273 |        |        |        |
| 10 mm                | 50 m          | Box                | 197386 | 197393 | 558281 | 558288 | 558295 | 558302 |
|                      | 300 m         | Spool              | 558260 | 558253 | 558274 |        |        |        |
| 12 mm                | 50 m          | Box                | 197387 | 197394 | 558282 | 558289 | 558296 | 558303 |
|                      | 200 m         | Spool              | 558261 | 558254 | 558275 |        |        |        |
| 14 mm                | 50 m          | Box                | 570386 | 570387 |        |        |        |        |
| 16 mm                | 50 m          | Box                | 197388 | 197395 | 558283 | 558290 | 558297 | 558304 |
|                      | 100 m         | Spool              | 558262 | 558255 | 558276 |        |        |        |
| 1/8 in               | 150 ft        | Box                | 567945 | 567953 | 567937 |        | 567977 |        |
| 5/32 in              | 150 ft        | Box                | 567946 | 567954 |        |        |        |        |
|                      | 500 ft        | Spool              |        | 568017 |        |        |        |        |
| 1/4 in               | 150 ft        | Box                | 567948 | 567956 | 567940 | 567988 | 567980 | 567972 |
|                      | 500 ft        | Spool              | 568014 | 568018 | 568010 |        |        |        |
|                      | 1000 ft       | Spool              | 568021 | 568023 |        |        |        |        |
| 5/16 in              | 150 ft        | Box                | 567949 | 567957 |        |        |        |        |
|                      | 500 ft        | Spool              | 568022 | 568024 | 568011 |        |        |        |
| 3/8 in               | 150 ft        | Box                | 567950 | 567958 | 567942 | 567990 | 567982 | 567974 |
|                      | 500 ft        | Spool              | 568016 | 568020 |        |        |        |        |
| 1/2 in               | 150 ft        | Box                | 567951 | 567959 | 567943 | 567991 | 567983 | 567975 |
| 5/8 in               | 150 ft        | Box                | 567952 |        |        | 567992 | 567984 | 567976 |

**NOTE:** Additional materials, sizes and colors are also available. Please contact Festo.

# Polyurethane tubing - PUN-H

Packaging modes:



Spool



Box

| PUN-H - Translucent Colors |               |                  |                 |                  |                   |                 |                   |                    |
|----------------------------|---------------|------------------|-----------------|------------------|-------------------|-----------------|-------------------|--------------------|
| OD                         | Packed length | Packing material | Natural (Clear) | Translucent blue | Translucent black | Translucent red | Translucent green | Translucent yellow |
| 4 mm                       | 50 m          | Box              | 197376          | 8048671          | 8048673           | 8048675         | 8048677           | 8048679            |
|                            | 500 m         | Spool            | 558264          | 8048672          | 8048674           | 8048676         | 8048678           | 8048680            |
| 6 mm                       | 50 m          | Box              | 197377          | 8048681          | 8048683           | 8048685         | 8048687           | 8048689            |
|                            | 500 m         | Spool            | 558265          | 8048682          | 8048684           | 8048686         | 8048688           | 8048690            |
| 8 mm                       | 50 m          | Box              | 197378          | 8048691          | 8048693           | 8048695         | 8048697           | 8048699            |
|                            | 400 m         | Spool            | 558266          | 8048692          | 8048694           | 8048696         | 8048698           | 8048700            |
| 10 mm                      | 50 m          | Box              | 197379          | 8048701          | 8048703           | 8048705         | 8048707           | 8048709            |
|                            | 300 m         | Spool            | 558267          | 8048702          | 8048704           | 8048706         | 8048708           | 8048710            |
| 12 mm                      | 50 m          | Box              | 197380          | 8048711          | 8048713           | 8048715         | 8048717           | 8048719            |
|                            | 200 m         | Spool            | 558268          | 8048712          | 8048714           | 8048716         | 8048718           | 8048720            |
| 14 mm                      | 50 m          | Box              | 570388          |                  |                   |                 |                   |                    |
| 16 mm                      | 50 m          | Box              | 197381          |                  |                   |                 |                   |                    |
|                            | 100 m         | Spool            | 558269          |                  |                   |                 |                   |                    |
| 1/8 in                     | 150 ft        | Box              | 567961          |                  |                   |                 |                   |                    |
| 5/32 in                    | 150 ft        | Box              | 567962          |                  |                   |                 |                   |                    |
| 1/4 in                     | 150 ft        | Box              | 567964          | 8203970          | 8203971           | 8203972         | 8203973           | 8203974            |
|                            | 500 ft        | Spool            | 8003126         |                  |                   |                 |                   |                    |
| 5/16 in                    | 150 ft        | Box              | 567965          |                  |                   |                 |                   |                    |
|                            | 500 ft        | Spool            | 8003127         |                  |                   |                 |                   |                    |
| 3/8 in                     | 150 ft        | Box              | 567966          | 8203975          | 8203976           | 8203977         | 8203978           | 8203979            |
|                            | 500 ft        | Spool            | 8003128         |                  |                   |                 |                   |                    |
| 1/2 in                     | 150 ft        | Box              | 567967          | 8203980          | 8203981           | 8203982         | 8203983           | 8203984            |

**NOTE:** Additional materials, sizes and colors are also available. Please contact Festo.



# Your partner in automation



## 1 Festo Canada

5300 Explorer Drive  
Mississauga, ON L4W 5G4  
Canada

### Contact Center

Tel: 1 877 463 3786  
Fax: 1 877 393 3786  
Email: [customer.service.ca@festo.com](mailto:customer.service.ca@festo.com)



## 2 Festo Mexico

Av. Ceylan 3,  
Col. Tequesquihuac  
54020 Tlalnepantla,  
Estado de Mexico

### Contact Center

01 800 337 8669  
[ventas.mexico@festo.com](mailto:ventas.mexico@festo.com)



## 3 Festo US

1377 Motor Parkway  
Suite 310  
Islandia, NY 11749  
USA

### Contact Center

1 800 993 3786  
1 800 963 3786  
[customer.service.us@festo.com](mailto:customer.service.us@festo.com)



## 4 Festo Regional Service Center

7777 Columbia Road  
Mason, OH 45039  
USA

In stock and ready to ship.

Learn more about Festo FAST<sup>SM</sup>:

