

# Series variation

# Speed controller

● Applicable to ø2.5 to ø160 cylinders

Values in ( ) are for the low speed, fine speed or flow rate types.

| Model/appearance                                                                    | Model No.         | Port size<br>(Rc or R) |    |     |     |     |     | Applicable tube O.D. |      |    |    |    |     | Effective cross-sectional area<br>(mm <sup>2</sup> ) |           | Flow rate (ℓ/min)<br>ANR Pressure<br>0.5 MPa |           | Applicable<br>cylinder bore size<br>(mm) | Page        |                 |
|-------------------------------------------------------------------------------------|-------------------|------------------------|----|-----|-----|-----|-----|----------------------|------|----|----|----|-----|------------------------------------------------------|-----------|----------------------------------------------|-----------|------------------------------------------|-------------|-----------------|
|                                                                                     |                   | M3                     | M5 | 1/8 | 1/4 | 3/8 | 1/2 | ø1.8                 | ø3.2 | ø4 | ø6 | ø8 | ø10 | ø12                                                  | Free flow | Controlled flow                              | Free flow |                                          |             | Controlled flow |
|    | DSC-C-M5-4-P7*    |                        | ●  |     |     |     |     |                      |      | ●  |    |    |     |                                                      | 1.5       | 0.9 (0.3) (0.1)                              | 100       | 60 (20) (6.7)                            | ø6 to ø25   | 900             |
|                                                                                     | DSC-C-M5-6-P7*    |                        | ●  |     |     |     |     |                      |      |    | ●  |    |     |                                                      | 1.5       | 0.9 (0.3) (0.1)                              | 100       | 60 (20) (6.7)                            | ø6 to ø25   |                 |
|                                                                                     | DSC- (C-) 6-4-P7* |                        |    | ●   |     |     |     |                      |      | ●  |    |    |     |                                                      | 3.2       | 2.4 (0.9) (0.2)                              | 210       | 160 (60) (13)                            | ø15 to ø32  |                 |
|                                                                                     | DSC- (C-) 6-6-P7* |                        |    | ●   |     |     |     |                      |      |    | ●  |    |     |                                                      | 4         | 3 (0.9) (0.2)                                | 270       | 200 (60) (13)                            | ø15 to ø32  |                 |
|                                                                                     | DSC- (C-) 6-8-P7* |                        |    | ●   |     |     |     |                      |      |    |    | ●  |     |                                                      | 4         | 3 (0.9) (0.2)                                | 270       | 200 (60) (13)                            | ø15 to ø32  |                 |
|                                                                                     | DSC-8-6-P7*       |                        |    |     | ●   |     |     |                      |      |    | ●  |    |     |                                                      | 7         | 5 (2)                                        | 470       | 320 (130)                                | ø20 to ø50  |                 |
|                                                                                     | DSC-8-8-P7*       |                        |    |     | ●   |     |     |                      |      |    |    | ●  |     |                                                      | 8         | 6 (2)                                        | 530       | 400 (130)                                | ø20 to ø50  |                 |
|                                                                                     | DSC-8-10-P7*      |                        |    |     | ●   |     |     |                      |      |    |    |    | ●   |                                                      | 8         | 6 (2)                                        | 530       | 400 (130)                                | ø20 to ø50  |                 |
|                                                                                     | DSC-10-6-P7*      |                        |    |     |     | ●   |     |                      |      |    | ●  |    |     |                                                      | 10        | 6 (4)                                        | 670       | 400 (270)                                | ø32 to ø75  |                 |
|                                                                                     | DSC-10-8-P7*      |                        |    |     |     | ●   |     |                      |      |    |    | ●  |     |                                                      | 15        | 10.5 (4)                                     | 1000      | 700 (270)                                | ø32 to ø75  |                 |
|                                                                                     | DSC-10-10-P7*     |                        |    |     |     | ●   |     |                      |      |    |    |    | ●   |                                                      | 16        | 12 (4)                                       | 1070      | 800 (270)                                | ø32 to ø75  |                 |
|                                                                                     | DSC-10-12-P7*     |                        |    |     |     | ●   |     |                      |      |    |    |    |     | ●                                                    | 16        | 12 (4)                                       | 1070      | 800 (270)                                | ø32 to ø75  |                 |
|                                                                                     | DSC-15-10-P7*     |                        |    |     |     |     | ●   |                      |      |    |    |    | ●   |                                                      | 22        | 17 (6)                                       | 1470      | 1120 (400)                               | ø40 to ø100 |                 |
|                                                                                     | DSC-15-12-P7*     |                        |    |     |     |     | ●   |                      |      |    |    |    |     | ●                                                    | 24        | 17.5 (6)                                     | 1600      | 1200 (400)                               | ø40 to ø100 |                 |
|  | SC3R-M5-P7*       |                        | ●  |     |     |     |     |                      |      |    |    |    |     |                                                      | 1.2       | 0.7                                          | 80        | 47                                       | ø6 to ø16   | 908             |
|                                                                                     | SC3R-6-P7*        |                        |    | ●   |     |     |     |                      |      |    |    |    |     |                                                      | 4.0       | 3.6                                          | 270       | 240                                      | ø15 to ø32  |                 |
|                                                                                     | SC3R-8-P7*        |                        |    |     | ●   |     |     |                      |      |    |    |    |     |                                                      | 7.5       | 7                                            | 500       | 470                                      | ø20 to ø50  |                 |
|                                                                                     | SC3R-10-P7*       |                        |    |     |     | ●   |     |                      |      |    |    |    |     |                                                      | 16        | 15                                           | 1100      | 1100                                     | ø32 to ø75  |                 |
|                                                                                     | SC3R-15-P7*       |                        |    |     |     |     | ●   |                      |      |    |    |    |     |                                                      | 24        | 24                                           | 1600      | 1600                                     | ø40 to ø110 |                 |
|  | SC3W-M3-3-P7*     | ●                      |    |     |     |     |     | ●                    |      |    |    |    |     |                                                      | 0.4 (0.3) | 0.3 (0.08)                                   | 27 (20)   | 20 (5.9)                                 | ø4 to ø8    | 910             |
|                                                                                     | SC3W-M3-4-P7*     | ●                      |    |     |     |     |     |                      |      | ●  |    |    |     |                                                      | 0.4 (0.3) | 0.3 (0.08)                                   | 27 (20)   | 20 (5.9)                                 | ø4 to ø8    |                 |
|                                                                                     | SC3W-M5-3-P7*     |                        |    |     |     |     |     | ●                    |      |    |    |    |     |                                                      | 1.3 (1.2) | 1.2 (0.1)                                    | 87 (80)   | 80 (6.7)                                 | ø6 to ø25   |                 |
|                                                                                     | SC3W-M5-4-P7*     |                        | ●  |     |     |     |     |                      |      | ●  |    |    |     |                                                      | 1.3 (1.2) | 1.2 (0.1)                                    | 87 (80)   | 80 (6.7)                                 | ø6 to ø25   |                 |
|                                                                                     | SC3W-M5-6-P7*     |                        | ●  |     |     |     |     |                      |      |    | ●  |    |     |                                                      | 1.3 (1.2) | 1.2 (0.1)                                    | 87 (80)   | 80 (6.7)                                 | ø6 to ø25   |                 |
|                                                                                     | SC3W-6-4-P7*      |                        |    | ●   |     |     |     |                      |      | ●  |    |    |     |                                                      | 3.2 (3.2) | 2.8 (0.2)                                    | 210 (210) | 190 (13)                                 | ø15 to ø32  |                 |
|                                                                                     | SC3W-6-6-P7*      |                        |    | ●   |     |     |     |                      |      |    | ●  |    |     |                                                      | 4.0 (4.0) | 3.6 (0.2)                                    | 270 (270) | 240 (13)                                 | ø15 to ø32  |                 |
|                                                                                     | SC3W-6-8-P7*      |                        |    | ●   |     |     |     |                      |      |    |    | ●  |     |                                                      | 4         | 3.6                                          | 270       | 240                                      | ø15 to ø32  |                 |
|                                                                                     | SC3W-8-6-P7*      |                        |    |     | ●   |     |     |                      |      |    | ●  |    |     |                                                      | 7         | 6.5                                          | 470       | 430                                      | ø20 to ø50  |                 |
|                                                                                     | SC3W-8-8-P7*      |                        |    |     | ●   |     |     |                      |      |    |    | ●  |     |                                                      | 7.5       | 7                                            | 500       | 470                                      | ø20 to ø50  |                 |
|                                                                                     | SC3W-8-10-P7*     |                        |    |     | ●   |     |     |                      |      |    |    |    | ●   |                                                      | 8         | 7                                            | 530       | 470                                      | ø20 to ø50  |                 |
|                                                                                     | SC3W-10-6-P7*     |                        |    |     |     | ●   |     |                      |      |    | ●  |    |     |                                                      | 10        | 10                                           | 650       | 650                                      | ø32 to ø75  |                 |
|                                                                                     | SC3W-10-8-P7*     |                        |    |     |     | ●   |     |                      |      |    |    | ●  |     |                                                      | 15        | 14                                           | 1000      | 930                                      | ø32 to ø75  |                 |
|                                                                                     | SC3W-10-10-P7*    |                        |    |     |     | ●   |     |                      |      |    |    |    | ●   |                                                      | 16        | 15                                           | 1100      | 1000                                     | ø32 to ø75  |                 |
|                                                                                     | SC3W-10-12-P7*    |                        |    |     |     | ●   |     |                      |      |    |    |    |     | ●                                                    | 16        | 15                                           | 1100      | 1000                                     | ø32 to ø75  |                 |
|                                                                                     | SC3W-15-10-P7*    |                        |    |     |     |     | ●   |                      |      |    |    |    | ●   |                                                      | 22        | 22                                           | 1500      | 1500                                     | ø40 to ø100 |                 |
|                                                                                     | SC3W-15-12-P7*    |                        |    |     |     |     | ●   |                      |      |    |    |    |     | ●                                                    | 24        | 24                                           | 1600      | 1600                                     | ø40 to ø100 |                 |

Values in ( ) are for the low speed type.

| Model/appearance                                                                                                                                    | Model No.           | Port size<br>(Rc or R) |    |     |     |     |     | Applicable tube O.D. |      |    |    |    |     | Effective cross-sectional area<br>(mm <sup>2</sup> ) |           | Flow rate (ℓ/min.)<br>ANR Pressure<br>0.5 MPa |           | Applicable<br>cylinder<br>bore size<br>(mm) | Page |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------------------|----|-----|-----|-----|-----|----------------------|------|----|----|----|-----|------------------------------------------------------|-----------|-----------------------------------------------|-----------|---------------------------------------------|------|
|                                                                                                                                                     |                     | M3                     | M5 | 1/8 | 1/4 | 3/8 | 1/2 | ø1.8                 | ø3.2 | ø4 | ø6 | ø8 | ø10 | ø12                                                  | Free flow | Controlled<br>flow                            | Free flow |                                             |      |
| <div>● Medium port size<br/>Rc1/8 to Rc1/2</div> <div></div>       | SC1-6-P7*           |                        |    | ●   |     |     |     |                      |      |    |    |    |     | 11                                                   | 8         | 730                                           | 530       | ø20 to ø50                                  | 914  |
|                                                                                                                                                     | SC1-8-P7*           |                        |    |     | ●   |     |     |                      |      |    |    |    |     | 14                                                   | 13        | 930                                           | 870       | ø32 to ø75                                  |      |
|                                                                                                                                                     | SC1-10-P7*          |                        |    |     |     | ●   |     |                      |      |    |    |    |     | 39                                                   | 22        | 2600                                          | 1500      | ø50 to ø140                                 |      |
|                                                                                                                                                     | SC1-15-P7*          |                        |    |     |     |     | ●   |                      |      |    |    |    |     | 43                                                   | 36        | 2900                                          | 2400      | ø80 to ø160                                 |      |
| <div>● Inline with push-in<br/>fitting</div> <div></div>           | SCL2-04-H22-P7*     |                        |    |     |     |     |     | ●                    |      |    |    |    |     | (0.2)                                                | (0.15)    | 13                                            | 10        | ø4 to ø25                                   | 916  |
|                                                                                                                                                     | SCL2-04-H42(24)-P7* |                        |    |     |     |     |     | ●                    | ●    |    |    |    |     | (0.2)                                                | (0.15)    | 13                                            | 10        | ø4 to ø25                                   |      |
|                                                                                                                                                     | SCL2-04-H44-P7*     |                        |    |     |     |     |     |                      | ●    |    |    |    |     | 1.9                                                  | 1.9 (0.2) | 130                                           | 130 (13)  | ø4 to ø25                                   |      |
|                                                                                                                                                     | SCL2-06-H66-P7*     |                        |    |     |     |     |     |                      |      | ●  |    |    |     | 4.5                                                  | 4.5 (0.2) | 300                                           | 300 (13)  | ø6 to ø40                                   |      |
|                                                                                                                                                     | SCL2-08-H66-P7*     |                        |    |     |     |     |     |                      |      | ●  |    |    |     | 6                                                    | 6         | 400                                           | 400       | ø20 to ø50                                  |      |
|                                                                                                                                                     | SCL2-08-H88-P7*     |                        |    |     |     |     |     |                      |      |    | ●  |    |     | 8                                                    | 8         | 550                                           | 550       | ø20 to ø50                                  |      |
|                                                                                                                                                     | SCL2-10-H88-P7*     |                        |    |     |     |     |     |                      |      |    | ●  |    |     | 13.5                                                 | 13.5      | 900                                           | 900       | ø32 to ø75                                  |      |
|                                                                                                                                                     | SCL2-10-H1010-P7*   |                        |    |     |     |     |     |                      |      |    |    | ●  |     | 16.5                                                 | 16.5      | 1100                                          | 1100      | ø32 to ø75                                  |      |
|                                                                                                                                                     | SCL2-10-H1212-P7*   |                        |    |     |     |     |     |                      |      |    |    |    | ●   | 18                                                   | 18        | 1200                                          | 1200      | ø32 to ø75                                  |      |
| <div>● In-out inline with<br/>push-in fitting</div> <div></div>  | SCD2-04-H22-P7*     |                        |    |     |     |     |     | ●                    |      |    |    |    |     | –                                                    | (0.15)    | –                                             | (10)      | ø4 to ø25                                   | 916  |
|                                                                                                                                                     | SCD2-04-H42-P7*     |                        |    |     |     |     |     | ●                    | ●    |    |    |    |     | –                                                    | (0.15)    | –                                             | (10)      | ø4 to ø25                                   |      |
|                                                                                                                                                     | SCD2-04-H44-P7*     |                        |    |     |     |     |     |                      | ●    |    |    |    |     | –                                                    | 1.5 (0.2) | –                                             | 100 (13)  | ø4 to ø25                                   |      |
|                                                                                                                                                     | SCD2-06-H66-P7*     |                        |    |     |     |     |     |                      |      | ●  |    |    |     | –                                                    | 3.7 (0.2) | –                                             | 250 (13)  | ø6 to ø40                                   |      |
|                                                                                                                                                     | SCD2-08-H66-P7*     |                        |    |     |     |     |     |                      |      | ●  |    |    |     | –                                                    | 5         | –                                             | 330       | ø20 to ø50                                  |      |
|                                                                                                                                                     | SCD2-08-H88-P7*     |                        |    |     |     |     |     |                      |      |    | ●  |    |     | –                                                    | 6         | –                                             | 400       | ø20 to ø50                                  |      |
|                                                                                                                                                     | SCD2-10-H88-P7*     |                        |    |     |     |     |     |                      |      |    | ●  |    |     | –                                                    | 11        | –                                             | 750       | ø32 to ø75                                  |      |
|                                                                                                                                                     | SCD2-10-H1010-P7*   |                        |    |     |     |     |     |                      |      |    |    | ●  |     | –                                                    | 12.5      | –                                             | 850       | ø32 to ø75                                  |      |
|                                                                                                                                                     | SCD2-10-H1212-P7*   |                        |    |     |     |     |     |                      |      |    |    |    | ●   | –                                                    | 13        | –                                             | 900       | ø32 to ø75                                  |      |
| <div>● Needle valve (with<br/>push-in fitting)</div> <div></div> | SCL2-N-04-H44-010   |                        |    |     |     |     |     |                      | ●    |    |    |    |     | –                                                    | 0.2       | –                                             | 13        | –                                           | 920  |
|                                                                                                                                                     | SCL2-N-04-H44-050   |                        |    |     |     |     |     |                      | ●    |    |    |    |     | –                                                    | 0.7       | –                                             | 50        | –                                           |      |
|                                                                                                                                                     | SCL2-N-06-H66-010   |                        |    |     |     |     |     |                      |      | ●  |    |    |     | –                                                    | 0.2       | –                                             | 13        | –                                           |      |
|                                                                                                                                                     | SCL2-N-06-H66-050   |                        |    |     |     |     |     |                      |      | ●  |    |    |     | –                                                    | 0.7       | –                                             | 50        | –                                           |      |
|                                                                                                                                                     | SCL2-N-06-H66-150   |                        |    |     |     |     |     |                      |      | ●  |    |    |     | –                                                    | 2.2       | –                                             | 150       | –                                           |      |
|                                                                                                                                                     | SCL2-N-08-H66-300   |                        |    |     |     |     |     |                      |      | ●  |    |    |     | –                                                    | 4.5       | –                                             | 300       | –                                           |      |
|                                                                                                                                                     | SCL2-N-08-H88-300   |                        |    |     |     |     |     |                      |      |    | ●  |    |     | –                                                    | 4.5       | –                                             | 300       | –                                           |      |

|                                  |
|----------------------------------|
| SCPD3                            |
| SCM                              |
| SSD2                             |
| MDC2                             |
| SMG                              |
| LCM                              |
| LCR                              |
| LCG                              |
| LCX                              |
| STM                              |
| STG                              |
| STR2                             |
| MRL2                             |
| GRC                              |
| Cylinder Switch                  |
| MN3E<br>MN4E                     |
| 4GA/B                            |
| M4GA/B                           |
| MN4GA/B                          |
| F.R.(module unit)                |
| Clean F.R                        |
| Precision R                      |
| Press gauge<br>Diff. press gauge |
| Electro-pneumatic R              |
| Speed controller                 |
| Auxiliary valve                  |
| Fitting/tube                     |
| Clean air unit                   |
| Pressure sensor                  |
| Flow rate sensor                 |
| Valve for air blow               |
| Ending                           |