

### Automation with double acting pneumatic actuator

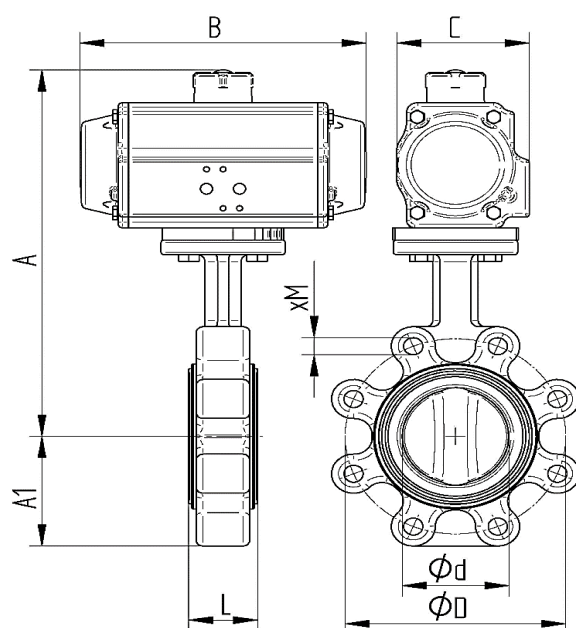
#### Technical data butterfly valve

|                              |                                                 |
|------------------------------|-------------------------------------------------|
| Body:                        | Spheroid ductile iron GGG40 blue RAL5002 coated |
| Disc:                        | Stainless steel 1.4408                          |
| Seat:                        | Resilient seated [see the table]                |
| Shaft:                       | Stainless steel 1.4021                          |
| Shaft sealing:               | PTFE+NBR O-Ring                                 |
| Notchplate: <b>5202*</b>     | Nylon 66 [dew point barrier]                    |
| Notchplate: <b>5210-5220</b> | Aluminum black coated                           |
| Overall length:              | Acc.to DIN EN 558-1                             |
| Actuator connection:         | Acc.to DIN ISO 5211                             |
| Flange connection:           | Acc.to UNI EN 1092, PN06 - PN10 - PN16          |
| Medium temperature:          | Seat dependent [see the table]                  |
| Pressure rating:             | Max. 16 bar temperature dependent               |

| Item No.    | Seat | Temperature        |
|-------------|------|--------------------|
| <b>5210</b> | NBR  | -10°C up to +90°C  |
| <b>5220</b> | FKM  | -10°C up to +150°C |

#### Technical data pneumatic actuator

|                            |                                       |
|----------------------------|---------------------------------------|
| Design Feature:            | Rack and pinion principle             |
| Piston guide:              | Self centering in housing             |
| Housing:                   | Aluminum alloy anodized               |
| Cover end caps:            | Aluminum alloy, RAL 5002 blue painted |
| Seals:                     | NBR                                   |
| Pinion:                    | Steel chemically hard nickel plated   |
| Piston   Rack:             | Aluminum alloy                        |
| Pivot angle:               | 90° adjustable from +5° to -5         |
| Operating temperature:     | -15°C to +80°C                        |
| Torque max:                | Torque table   Pilot pressure table   |
| Control medium:            | Filtered & lubricated air             |
|                            | according to Pneurop/ISO KI. 5        |
| Control pressure:          | Rated to 6 bar                        |
| Actuator   Valve:          | according to DIN ISO 5211             |
| Actuator   Control valve:  | according to Namur resp. VDI/VDE 3845 |
| Actuator   Signal devices: | according to Namur resp. VDI/VDE 3845 |
| Position indicator :       | optical, mounted in scope of delivery |
| <b>Approval:</b>           | ATEX 2014/34/EU                       |



| Item No.   Size     | DN  | ød mm | L mm | A mm | A1 mm | øD mm | xM      | B mm | C mm | PD Nm |
|---------------------|-----|-------|------|------|-------|-------|---------|------|------|-------|
| PD03 5210   5220-08 | 40  | 40    | 33   | 242  | 70    | 110   | 4x M16  | 189  | 90   | 44    |
| PD03 5210   5220-09 | 50  | 50    | 43   | 250  | 61    | 125   | 4x M16  | 189  | 90   | 44    |
| PD03 5210   5220-10 | 65  | 63    | 46   | 262  | 72    | 145   | 4x M16  | 189  | 90   | 44    |
| PD04 5210   5220-11 | 80  | 77    | 46   | 281  | 87    | 160   | 8x M16  | 210  | 103  | 68    |
| PD05 5210   5220-12 | 100 | 100   | 52   | 309  | 106   | 180   | 8x M16  | 229  | 113  | 100   |
| PD06 5210   5220-13 | 125 | 125   | 56   | 336  | 123   | 210   | 8x M16  | 264  | 126  | 141   |
| PD07 5210   5220-14 | 150 | 147   | 56   | 360  | 137   | 240   | 8x M20  | 266  | 139  | 183   |
| PD08 5210   5220-15 | 200 | 198   | 60   | 438  | 174   | 295   | 12x M20 | 337  | 157  | 327   |
| PD09 5210   5220-16 | 250 | 244   | 68   | 488  | 209   | 350   | 12x M24 | 377  | 78   | 483   |
| PD10 5210   5220-17 | 300 | 298   | 78   | 554  | 253   | 400   | 12x M24 | 412  | 196  | 670   |