820 ISD Series

Compact High Performance solenoid valve | 2/2
Integrated Speed-up Driver
PNEUMATIC DIVISION

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GENERAL CHARACTERISTICS

- **FLUID**: Non-lubricated dry air, neutral gases (−10 to +50°C)
- **FILTRATION RATING**: Min 40 micron
- **TEMPERATURE**: −10 to +50°C (Standard version)
- **RESPONSE TIME IN OPENING**: < 2 ms
- **RESPONSE TIME IN CLOSING**: < 2 ms
- **MAXIMUM FREQUENCY**: 300 Hz
- **WEIGHT**: 25 g
- **PRODUCT LIFE EXPECTANCY**: ≥ 500 M/s cycles
- **IP RATING**: IP62

IDENTIFICATION CODE

**P O X 8 2 1 1 E 0 C 2 YY**

- **FLOW RATE**
  - M: 100 Nl/min @ 6 bar
  - N: 140 Nl/min @ 6 bar
  - O: 180 Nl/min @ 6 bar

- **VERSION**
  - D: Manifold mounting
  - P: Manifold mounting (lightweight)

- **OUTLETS**
  - 1 Outlet

- **FUNCTION**
  - C: NC

- **TYPE**
  - 2: 2/2

- **CONTROL TENSION**
  - YY: 24 VDC (0/+10%) integrated speed-up driver
  - 1.3 W

- **OPERATING PRESSURE**

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- **PORT CONNECTION**
  - E: 3 poles M8 connector - IP62

- **No. ELECTRICAL CONTROLS**
  - 1 control
Highlights
Expressly developed for high-density sorting and recycling applications, the compact 820 ISD Series offers outstanding characteristics in terms of response time and life expectancy. The integrated 24 VDC miniaturized speed-up driver with standard M8 connection grants an extreme simplification of the electronic controller design, ease of installation and an overall improvement of the performances. The innovative magnetic flux design, coupled with the Zero Internal Friction technology allows low power consumption and high reliability features.