

R880-03F

High-Flow Precision Pressure Regulator

CONTROLLED ENGINEERING COPY

Install R880-03F with the flow direction shown on the regulator body, clean the connected piping and raise downstream pressure gradually while checking stability and leakage.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	R880-03F
Manufacturer part	R880-03F
Hardware type	R880-03F
System family	Numatics Series 80 Precision Regulators



APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



01 PRE-INSTALLATION PLAN

- 1

Verify the R880-03F body marking and port arrangement before installation.
- 2

Depressurize and lock out the upstream air supply before disconnecting piping.
- 3

Remove pipe debris and sealing-material fragments before assembly.
- 4

Install the regulator in the documented flow direction without stressing the body.
- 5

Use compatible fittings and prevent thread sealant from entering the flow path.

MATCHED HARDWARE

- clean compressed-air supply
- downstream pneumatic manifold
- pressure gauge or monitored pressure point
- approved mounting and piping hardware

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	R880-03F / R880-03F recorded
Physical interface	clean compressed-air supply
Companion check	downstream pneumatic manifold
Functional proof	Regulates downstream pneumatic pressure for high-flow service
Application test	High-flow instrument-air regulation

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Product code	R880-03F
Product description	Precision high-flow regulator
Regulator series	Series 80
Manufacturer catalog descriptor	PREC. HIGH FLOW REG. 2120
Series port sizes	1/4 inch; 3/8 inch
Series operating environment	Indoor; outdoor
Series regulator versions	Standard relief; high relief
Control behavior	Continuous bleed / low supply consumption
Series application	Precision pressure control

FIELD NOTE

Install R880-03F with the flow direction shown on the regulator body, clean the connected piping and raise downstream pressure gradually while checking stability and leakage.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	R880-03F / R880-03F recorded
Physical interface	clean compressed-air supply
Companion check	downstream pneumatic manifold
Functional proof	Regulates downstream pneumatic pressure for high-flow service
Application test	High-flow instrument-air regulation

04 RETURN-TO-SERVICE RECORD

- ☐ Set downstream pressure gradually while observing the connected equipment limit.
- ☐ Check joints, gauge connections and adjustment hardware for leakage.
- ☐ Record the final pressure setting and verify stable response under operating flow.
- ☐ Confirm the intended process response before normal operation.

VERIFICATION RECORD

TECHNICIAN

DATE

CABINET / POSITION

FINAL DIAGNOSTIC STATE

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
R880-03F	Numatics high-flow precision regulator	Open product page

SOURCE IDENTIFIERS

Numatics R880-03F Official Product Record

ASCO-R880-03F

APTER POWER SALES TEAM

WHATSAPP / PHONE

EMAIL

WEBSITE

+86 180 3023 5313

sales13@apterpower.com

www.apterpower.com

