



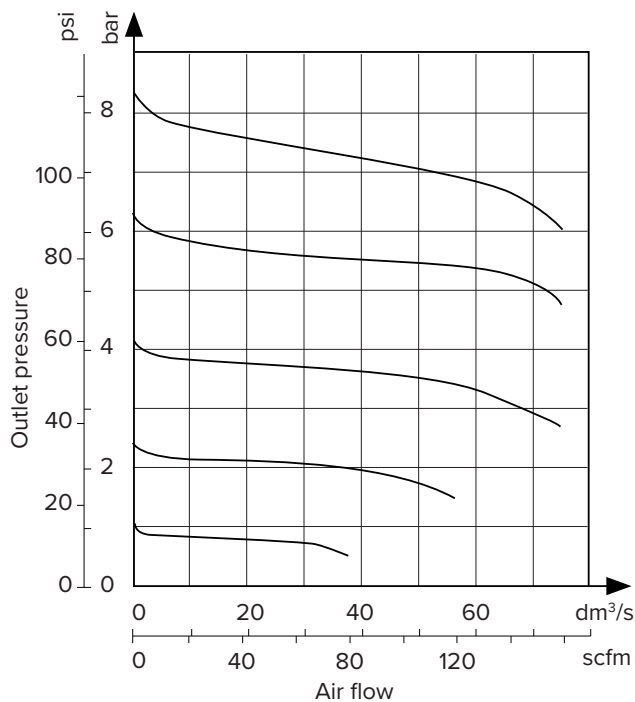
SURGICAL TOOL AIR CONTROL PANEL



DESCRIPTION

- Designed and tested in accordance with AS2896-2021
- Features easy to follow operation instructions on front panel
- In wall box which can be fully sealed
- 100mm gauges for easy identification of inlet and outlet pressures

FLOW CHARACTERISTICS



APPLICATIONS

- Anywhere where regulation of surgical tool air is required
- Custom panels to suit client specific needs

DIMENSIONS

- Front panel 330mm x 330mm
- In wall box 300mm x 300mm.
- Fits into 90mm stud walls

R73G, R73R

EXCELON® 73

Pressure Regulator

1/4" 3/8", 1/2" Port Sizes



- EXCELON design allows in-line or modular installation
- Full flow gauge ports
- Balanced valve design minimizes effect of variation in the inlet pressure on the outlet pressure
- Standard relieving models allow reduction of downstream pressure when the system is dead-ended
- Optional reverse flow models available for use downstream of directional control valves
- Modular installations with EXCELON 72, 73, and 74 series can be made to suit particular applications

TECHNICAL DATA

Fluid: Compressed air

Maximum pressure: 20 bar (300 psig)

Operating temperature*:
-20° to +80°C (0° to +175°F)

*Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F)

Typical flow with 10 bar (150 psig) inlet pressure, 6,3 bar (90 psig) set pressure and 1 bar (15 psig) droop from set: 60 dm³/s (127 scfm)

Gauge ports:

V4 PTF with PTF main ports

Rc1/4 with ISO Re main ports

Rc1/8 with ISO G main ports

Materials:

Body: Aluminum

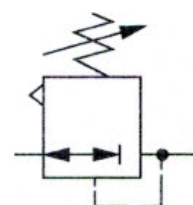
Bonnet: Aluminum

Valve: Brass

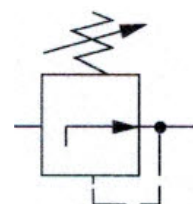
Elastomers: Nitrile

Bottom plug: Acetal

ISO SYMBOLS



Relieving

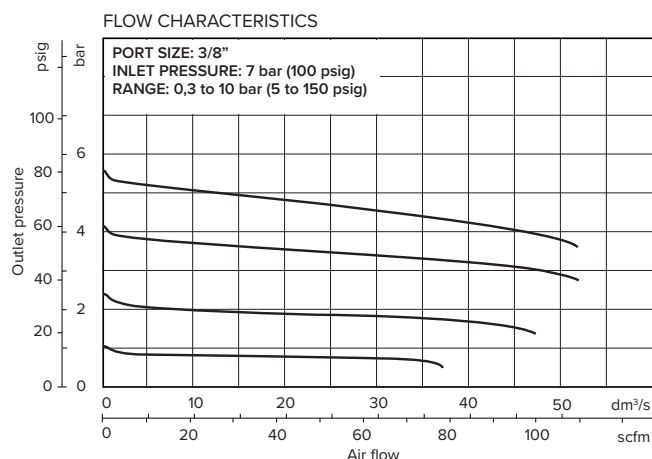
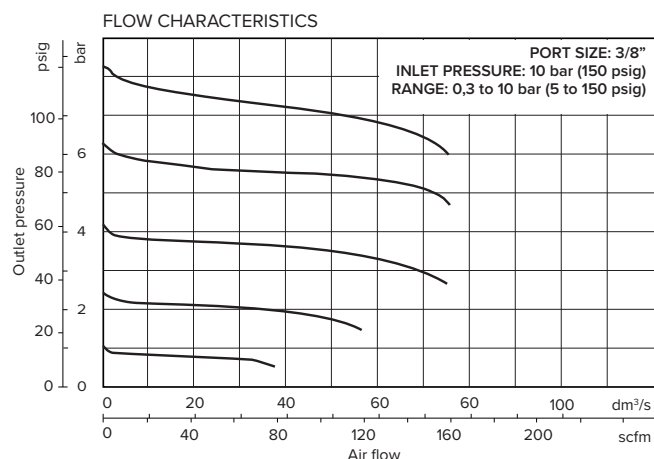


Non relieving

ORDERING INFORMATION

See *Ordering Information* on the following page

TYPICAL PERFORMANCE CHARACTERISTICS



ORDERING INFORMATION

Models listed include uni-directional flow, ISO G parallel threads, knob adjustment, relieving diaphragm, and 0,3 to 10 bar (5 to 150 psig) outlet pressure adjustment range*

Port Size	Model	Flow† dm³/s (scfm)	Weight kg (lb)
G1/4	R73G-2GK-RMN	Waiting on lab test	0,48 (1.1)
G3/8	R73G-3GK-RMN	60 (127)	0,48 (1.1)
G1/2	R73G-4GK-RMN	60 (127)	0,48 (1.1)

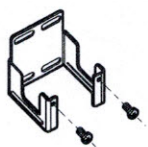
*Typical flow with 10 bar (150 psig) inlet pressure, 6,3 bar (90 psig) set pressure and 1 bar (15 psig) droop from set

ALTERNATIVE MODELS

Flow Type	Substitute	R 7 3 ★ - ★ ★ ★ - ★ ★ ★	Guage	Substitute
Uni-directional	G		With	G
Reverse	R		Without	N
Port Size	Substitute		Outlet Pressure Adjustment Range*	Substitute
1/4"	2		0,3 to 4 bar (5 to 60 psig)	F
3/8"	3		0,3 to 10 bar (5 to 150 psig)	M
1/2"	4		0,7 to 17 bar (10 to 250 psig)	S
Threads	Substitute		Diaphragm	Substitute
PTF	G		Relieving	R
ISO Rc taper	R		Non relieving	N
ISO G parallel				
Adjustment	Substitute			
Knob	K			
T-bar	T			

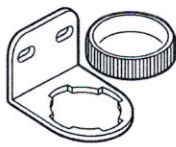
*Outlet pressure can be adjusted to pressures in excess of, and less than, those specified
Do not use these units to control pressures outside of the specified ranges

ACCESSORIES



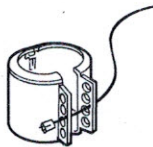
Wall Mounting Bracket

4424-50



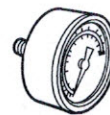
Neck Mounting Bracket with Zinc Panel Nut

Bracket and nut: 4461-50
Nut: 5191-88
R73G-4GK-RMN



Tamper Resistent Cover and Seal Wirett

Cover and wire: 4455-51
Replacement seal wire: 2117-01
60 (127)



Pressure Guage

4 bar (60 psig)
10 bar (150 psig)
20 bar (300 psig)

R 1/4 Connection

18-013-266
18-013-260
18-013-267

R 1/8 Connection

18-013-011
18-013-013
18-013-014

R 1/4 PTF Connection

18-013-208
18-013-209
18-013-210

*Use padlock with shackle up to 8 mm (0.3") in diameter