

GENERAL INFORMATION

Volume Boosters reproduce pneumatic signals in 1:1 ratio and as such can be used to improve stroking speeds of pneumatic actuators or be used in situations where increased flow capacity is required.

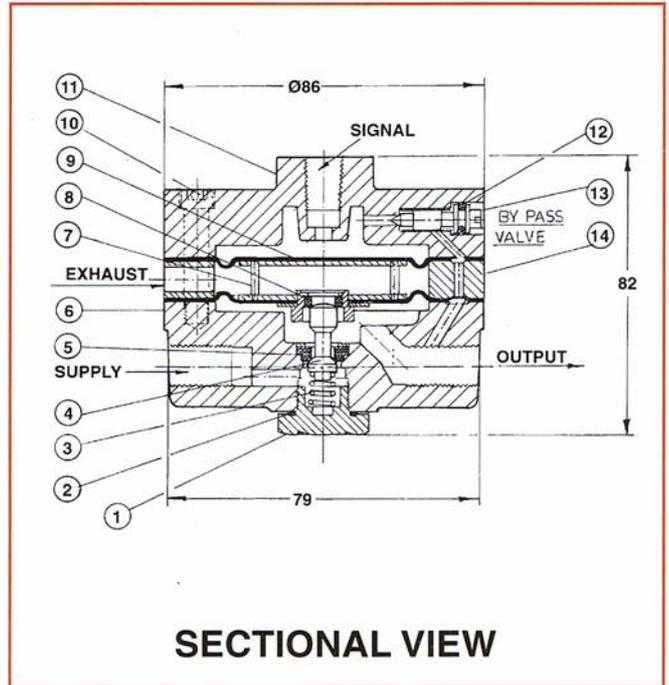
FEATURES

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| QUICK RESPONSE: | Boosters greatly increase actuator stroking speeds. |
| GREATER STABILITY: | Allows normal slow actuator response to small signal changes produced by usual process variations. |
| LOW AIR CONSUMPTION: | Soft seat provides tight shut off preventing unnecessary air consumption. |

Kent introl

SERIES 1000 BOOSTER SPECIFICATION

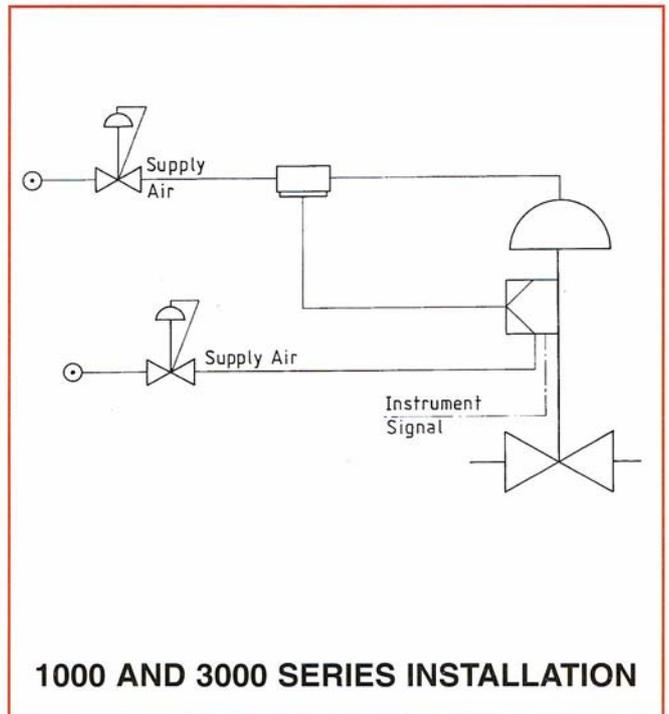
Port size : 1/4 in NPTF
Max. supply: 100 PSI
Ratio (input/output) : 1:1
Linearity : 0.4%
Reproducibility 0.1%
Temperature limits (Ambient) : - 40°C to + 70°C
Flow capacity : 10 SCFM



CONSTRUCTION

1	Bottom Nut	Brass*
2	Body Gasket	Neoprene
3	Spring	St St
4	Plug	StSt
5	Soft Seat	Teflon
6	Body	Aluminium*
7	Area Plate Assembly	Aluminium*
8	Soft Seat	Teflon
9	Diaphragm	Neoprene
10	Socket Head Screw	St St
11	Top Cover	Aluminium*
12	O'Ring	Nitrile
13	Adjusting Screw	St St
14	Spacer	Aluminium*

* St St construction can be supplied



SERIES 3000 BOOSTER SPECIFICATION

Pipe connections : 3/4 in NPTF
Port sizes: Supply and exhaust 1/2 in dia.
Max. supply : 150 PSIG
Ratio (input/output) : 1:1
Signal Port : 1/4 in NPTF
Deadband width : 1 PSI or 5% of output span

Flow capacity : 43 SCFM
Cv: 5

SPARES

Full spares kits available. Please consult factory for details.

INSTALLATION BOTH 1000 AND 3000

For maximum performance when used on diaphragm actuators the units should be installed as close to the actuator as possible.
 Air supplies should be clean and dry. Do not use PTFE tape on fittings.
 A suitable liquid sealant should be used.

CONSTRUCTION

1	Body	Aluminium/St St
2	Gasket O'Ring	Nitrile*
3	Blind Nut	St St/Brass
4	Spring	304 St St*
5	Plug	304 St St/Nitrile
6	O'Ring	Nitrile*
7	Seat Ring	St St/Brass
8	Locknut	St St
9	Exhaust Seat	Aluminium*
10	Diaphragm Plate	Aluminium*
11	Diaphragm	Neoprene*
12	Spacer	St St/Aluminium
13	Spring Housing	St St
14	Spring	304 St St*
15	Cover	St St/Aluminium
16	O'Ring	Nitrile*
17	Lock Nut	St St
18	Adjusting Screw	St St
19	Backing Plate	Aluminium
20	Cover Screw	StSt

*Recommended spares

