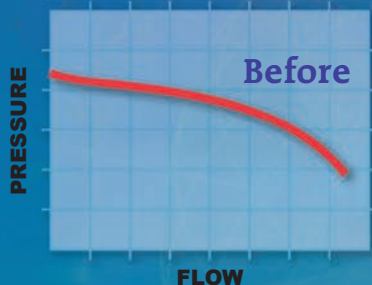


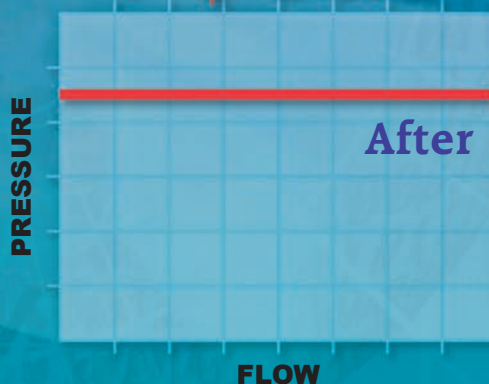
It's Time For A Change!



Conventional spring and dome-loaded regulator



The **FOCUS**



Keeping your desired pressure a reality!

- Automated. Accurate. Repeatable.
- Eliminates droop and decaying inlet characteristics.
- Provides constant delivery pressures from sccm's to 1500 SCFM.
- Controller is field changeable.
- CE approved for RF & EMF interference.
- Orientation insensitive. Controller is 360° positionable.
- Allows adaptation of existing Tescom spring and dome-loaded pressure regulators.

Tescom has designed and manufactured innovative electronic pressure controls for over 15 years.

TESCOM

The Engineered Solutions COMPANY

www.tescom.com

Global technical support & distribution • Design & manufacturing facilities in the U.S.A. & Germany

The closed-loop control provided by FOCUS will eliminate 'droop' variations found in ALL spring and dome-loaded regulators – keeping your processes **accurate and repeatable**.







Due to system demands or application criteria, the ever-increasing flow and temperature fluctuations that exist in semiconductor fabrication have an effect on the regulated pressure. FOCUS enables both the monitoring & correction of these pressure variations – keeping your desired pressure a reality!

Ideal for:

- **Low vapor pressure gases.** FOCUS increases your flow capabilities
- **CVD Machines.** Provides improved stability of gas supply to MFCs & enhanced control of epitaxial growth
- **Fiber Optic Manufacture.** Maintains low process pressure control over a large flow range (e.g. 10 PSIG from 3 scfm – 90 scfm)
- **Bubbler Systems, Manifold Supply, Wafer Cleaning, Bulk Gas Supply & Chemical Blanketing**

Part Number Selector

Example Part Number

F1	B	RT	K	4	1	2		
FLOW CAPACITY	INLET PRESSURE	MAX.^{1,2} OUTLET	PORT SIZE & TYPE	END TO END DIMENSION	SEAT MATERIAL	BODY MATERIAL	CONTROLLER TYPE	TRANSDUCER
F1 - 0-100 SLPM 	A - 3500 PSIG B - 600 PSIG	90 PSIG 90 PSIG	A4 - 1/4" HPIC RM - 1/4" MVCR RT - 1/4" FVCR T4 - 1/4" Tube Stubs	---- 3.70" 3.70" 3.00"	K - PCTFE T - Teflon® V - Vespel® (3500 PSIG inlet only)	4 - 316L SST Electropolish 6 - 316L SST Internal Electropolish	1 - No Internal Sensor, Quick Connect & Cable 2 - No Internal Sensor, Strain Relief & Cable 3 - Internal Sensor, Quick Connect & Cable 4 - Internal Sensor, Strain Relief & Cable	1 - YES (Part No. 45350) 2 - NO
F2 - 0-100 SLPM (tied diaphragm) 	C - 3500 PSIG D - 1000 PSIG E - 1000 PSIG (Hastelloy® trim)	60 PSIG 60 PSIG 60 PSIG						
F3 - 0-900 SLPM 	F - 500 PSIG	100 PSIG	RB - 3/4" MVCR RC - 3/4" FVCR RK - 1/2" MVCR RL - 1/2" FVCR T7 - 3/4" Tube Stubs T8 - 1/2" Tube Stubs	6.30" 6.30" 5.59" 5.59" 5.75" 3.70"				
F4 - 0-2,500 SLPM 								
F5 - 0-900 SLPM (tied diaphragm) 	G - 500 PSIG H - 500 PSIG (Hastelloy® trim)	60 PSIG 60 PSIG						
F6 - 0-1500 SCFM 	I - 350 PSIG	80 PSIG	UU - 3/4" Tube Stubs VV - 1" Tube Stubs 66 - 1-1/2" Tube Stubs SS - 2" Tube Stubs	12.10" 12.10" 12.10" 12.10"				

¹ Maximum outlet pressure stated is rated at maximum flow.

² Based on 100 PSIG being supplied to FOCUS. Should a lower supply pressure be used, please contact factory for outlet range information. Higher outlet ranges can be obtained by using an actuator or double piston. Please consult factory.

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