

HEAVY DUTY REGULATORS

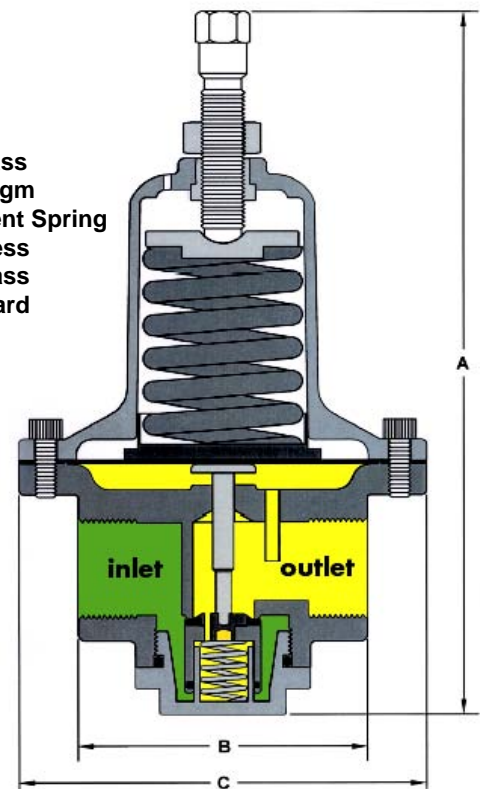
FLAME TECH® LINE REGULATORS (FTLR) series regulators provide reliable, precise pressure control in the most demanding applications. Flame Tech's FTLR regulators have a fully balanced design which virtually eliminates delivery pressure fluctuations due to inlet pressure variations. All regulators are 100% factory tested.

FTLR SERIES



Materials:

- Body & Spring Chamber.....Forged Brass
- Diaphragm... GLT Viton on Nomex Diaphragm
- Color Coated, Chrome Vanadium Adjustment Spring
- Valve Spring302 Stainless
- Other Valve Parts..... Brass
- Seat & O-RingsViton is standard



FEATURES:

Optimized venturi and spring design assures high flow with extremely low droop characteristics.

Solid non-tied diaphragm and all brass construction guarantees leak-free long lasting performance.

Maintains a steady down stream pressure across a range of inlet pressure commonly provided by a cryogenic bulk tank.

Corrosion resistant stainless steel trim.

TECHNICAL DATA:

Maximum inlet pressure is 400 psig

Effect of inlet pressure variation less than .25 Psig/100 Psig change

Cleaned per CGA G-4.1 for oxygen service

HEAVY DUTY STATION REGULATORS

FLAME TECH® STATION REGULATORS (FTSR) series regulators provide reliable, precise pressure control in the most demanding applications. Flame Tech's FTSR regulators have a fully balanced design which virtually eliminates delivery pressure fluctuations due to inlet pressure variations. All regulators are 100% factory tested.

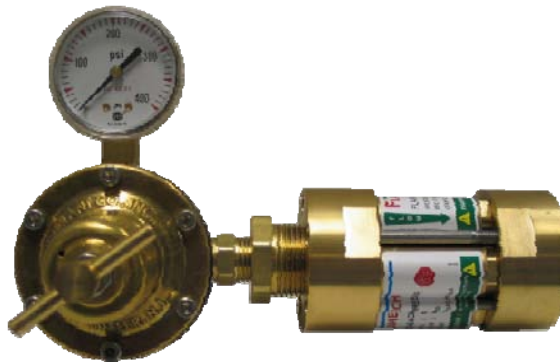
FTSR STATION REGULATOR SERIES

**FTSR12 HEAVY DUTY OXYGEN
STATION REGULATOR WITH
"C" HOSE FITTING**

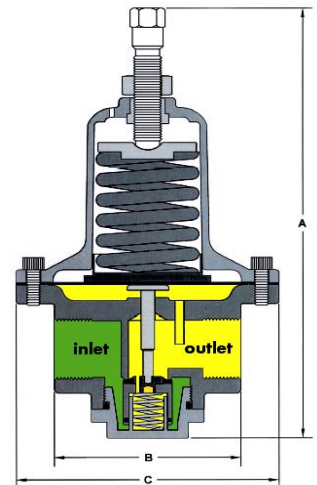


Materials:

- Body & Spring Chamber.....Forged Brass
- Diaphragm... GLT Viton on Nomex Diaphragm
- Color Coated, Chrome Vanadium Adjustment Spring
- Valve Spring302 Stainless
- Other Valve Parts..... Brass
- Seat & O-RingsViton is standard



**FTLR12-C HEAVY DUTY CUTTING OXYGEN
STATION REGULATOR WITH FLAME TECH
HIGH FLOW DEMAX FLASHBACK ARRESTOR
(SEE SAFETY ACCESSORIES FOR DEMAX)**

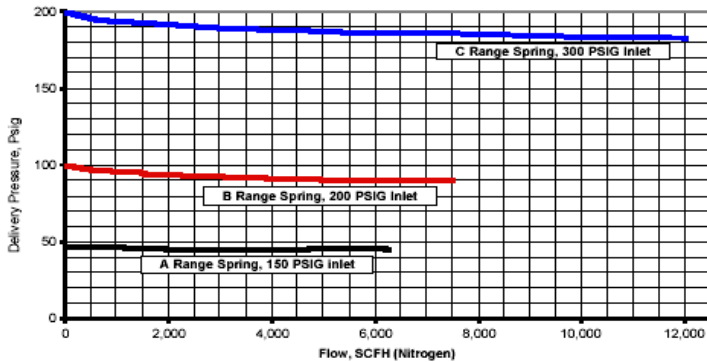


PART #	DESCRIPTION
<u>FUEL GAS</u> FTSR12-A	(5-55 PSI REGULATOR 1/2" NPT INLET 9/16 "B" LH 145 CGA HOSE FITTING COMPLETE WITH FT5575-GP PRESSURE GAUGE 1-60 PSI RANGE
<u>OXYGEN</u> FTSR12-B	(100-200 PSI REGULATOR 1/2" NPT INLET 9/16 "B" RH 144 CGA HOSE FITTING COMPLETE WITH FT15578-GP PRESSURE GAUGE 1-400 PSI RANGE
FTSR12-C	(100-200 PSI REGULATOR 1/2" NPT INLET 9/16 "C" RH C32 CGA HOSE FITTING COMPLETE WITH FT15578-GP PRESSURE GAUGE 1-400 PSI RANGE

HEAVY LINE REGULATOR PERFORMANCE CURVES

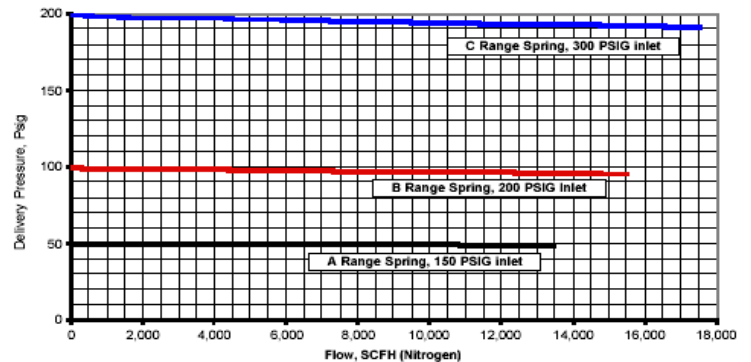
FLOW CURVE

FTLR14 1/4" & FTLR12 1/2"



FLOW CURVE

FTLR34 3/4" & FTLR1 1"



Dimensional Data

Size	A	B	C	Cv
1/4", 3/8" & 1/2" 2BSPT & 4BSPT	5-11/16"	2-25/32"	3-3/16"	3.6

Cv is stated at maximum inlet pressure and valve full open

Size	A	B	C	Cv
3/4" & 1" 6BSPT & 8BSPT	8-7/8"	3-11/32"	4-11/16"	5.8

ORDERING INFORMATION FTLR SERIES REGULATORS

FLAME TECH	Delivery Pressure Range (psig)	Pressure Gauge Range (psi)*	Gauge Part #	Inlet & Outlet (FNPT)
FTLR12-A	5-55	1-60	FT5575-GP	1/2"
FTLR12-B	40-110	1-200	FTS1679	1/2"
FTLR12-C	100-200	1-400	FT15578	1/2"
FTLR34-A	5-55	1-60	FT5575-GP	3/4"
FTLR34-B	40-110	1-200	FTS1679	3/4"
FTLR34-C	100-200	1-400	FT15578	3/4"
FTLR1-A	5-55	1-60	FT5575-GP	1"
FTLR1-B	40-110	1-200	FTS1679	1"
FTLR1-C	100-200	1-400	FT15578	1"

GAUGES

Gauges are sold separately.
Order recommended Gauge with
Selected regulator.

FT5575-GP-0-60 psi

FTS1679 - 0-200 psi

FT15578 - 0-400 psi

