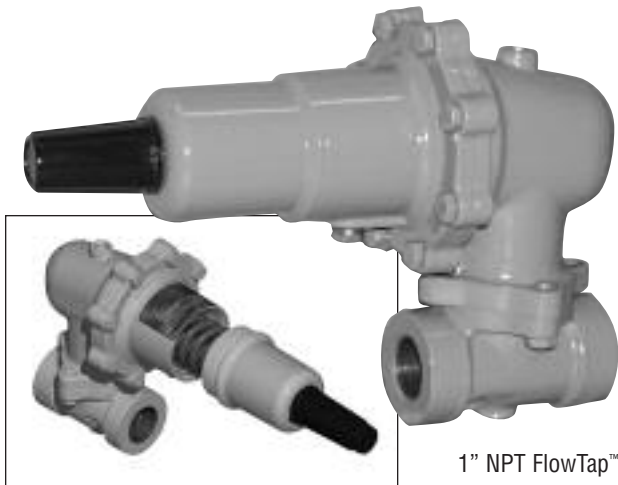


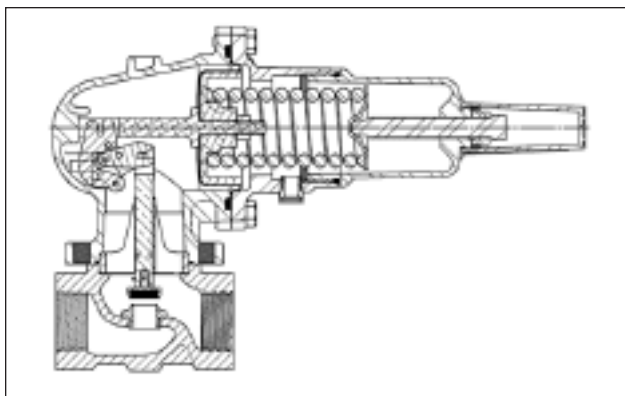
FlowTap™ Specifications

3/4" & 1" NPT



The FlowTap™ Regulator is an economical easy to maintain self operated pressure reducing regulator. The Flowtap features a patent pending four-bar-linkage that reduces droop by approximately one-half when compared to regulators of similar design. Five spring ranges and orifice options are available for pressure control set points up to 250 psig. The spring range may be easily changed without removing the spring case, reducing stock levels and inventory costs. The FlowTap™ is offered in three designs: Internal Sense (Std.), Monitor/External Sense or Relief.

SECTIONAL DRAWING



SPRING RANGES

YELLOW	5-20 psig
GREEN	15-40 psig
RED	30-80 psig
ORANGE	50-125 psig
DARK BLUE	100-250 psig

SPECIFICATIONS

FlowTap (Std.) & FlowTap Monitor	
Function	Pressure Reducing Valve
Size	3/4" & 1" NPT
Orifice Size	1/8, 3/16, 1/4, 3/8, & 1/2 inch
End Connections	3/4"-14 NPT & 1"-11.5 NPT
Temperature	Working -20°F to 150°F Emergency -40°F to 175°F
Max Inlet Pressure*	1,000 psig
Maximum Outlet*	250 psig
Body Tap (optional)	(Inlet only) 1/4"-18NPT

* Limited by Orifice Size and Model. Refer to back page.

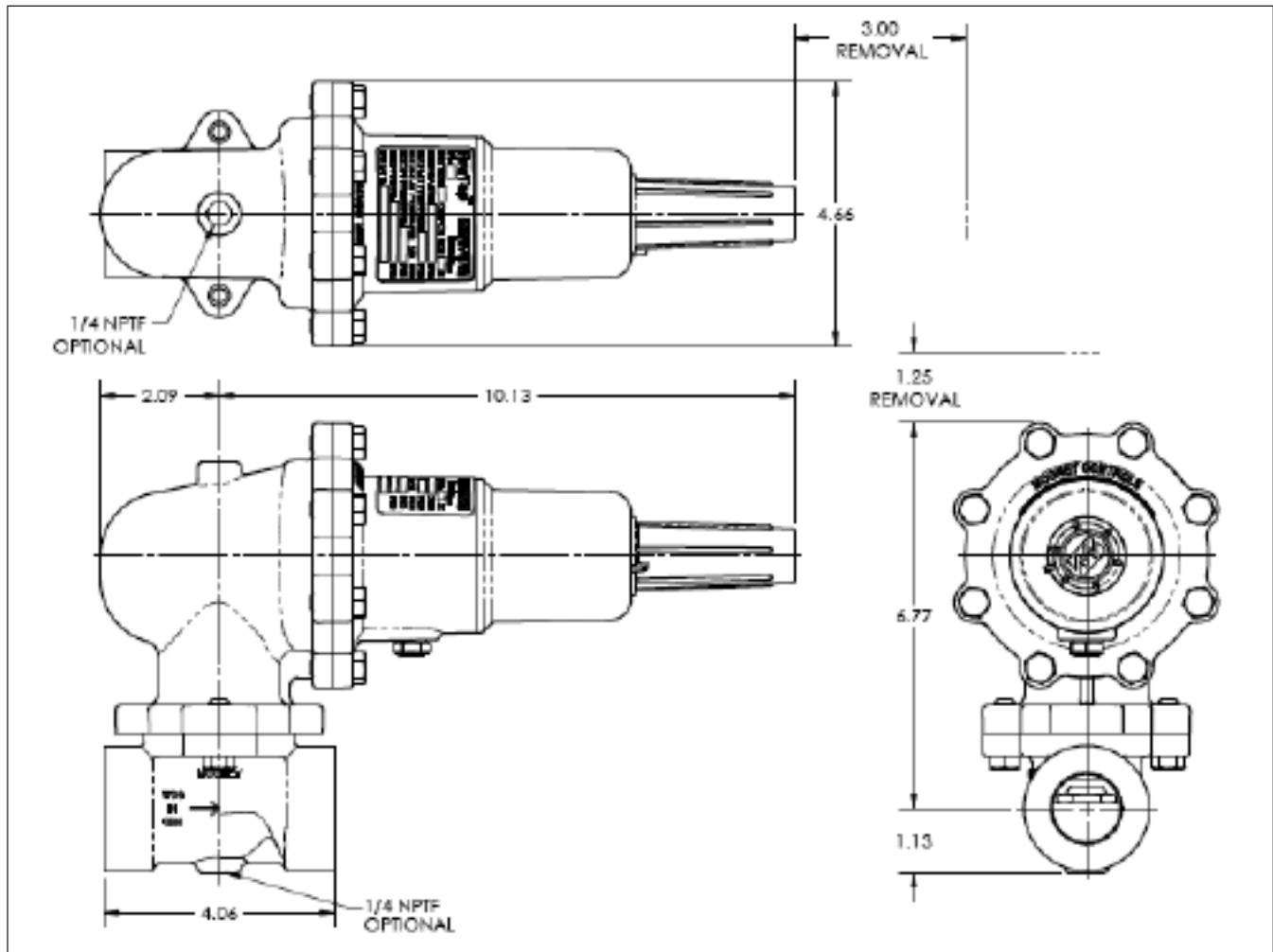
STOCK NUMBERS

Description	Stock Number	Weight
1 inch NPT	FT-1	7.5 lbs.
1 inch NPT Monitor	FT-1M	7.7 lbs
3/4 inch NPT	FT-2	7.8 lbs.
3/4 inch NPT Monitor	FT-2M	8.0 lbs.

STANDARD CONSTRUCTION MATERIALS

Component	Material
Housing/Spring Case	Aluminum
Body	Ductile Iron A395
Diaphragm	Nitrile/Nylon
O-Ring & Seals	Nitrile
Bolting	ASTM A 193 GR B-7 or Equal
Main Spring	ASTM A 228/Powder Coated
Seat	300 Series SST

DIMENSIONS



PRESSURE RATINGS AND FLOW COEFFICIENTS

Orifice	Max Inlet (psig)	Max Outlet (Standard & Relief Models)	Max Outlet Body FlowTap-Monitor/Ext.Sense Model Only (psig)	Max Sense/Diaphragm Casing (All Models)	Max Spring Case (All Models)	Max Diff. (All Models) (psig)	C _g	C ₁	Max Flow (scfh) @ Max Diff.	Temperature
1/8"	1000	250 psig	1000	250 psig	250 psig	1000	12	32	16000	Working: -20°F-150°F Emergency: -40°F-175°F
3/16"	1000		1000			1000	27	31	35400	
1/4"	900		900			900	47	32	55500	
3/8"	400		400			400	108	34	57800	
1/2"	250		250			250	170	38	58100	

NOTES:

Overpressure protection is required if the pressure can exceed the Inlet and/or Outlet pressure ratings of the FlowTap regulator. Anytime the FlowTap™ valve is exposed to pressures in excess of its ratings it should be inspected for damage. Refer to flow capacity tables and sizing recommendations for proper orifice selection.

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