

WEIR CONCEPTS INC.

PRODUCT GUIDE

- WC T50 REGULATOR -



www.weirconcepts.com

SCAN ME 

EXPECT QUALITY AND RELIABILITY

using our brand name WC T50 REGULATOR

Version 4.0



Head Office:

7596 Wagner RD NW
Edmonton , Alberta CANADA T6E 5B2
info@weirconcepts.com



Toll Free 1.866.462.1910
780.462.1910 ph | 780.462.1959 fax

DETAILS ARE THE DIFFERENCE BETWEEN ORDINARY AND EXCELLENCE



T50 REGULATOR

This product is designed for instrumentation and general purpose application. Made of die-cast aluminum housing and finished with vinyl paint for resistance to scratching and weathering. The rubberized, soft seat valve stem provides positive shut off and tolerates dirt or other foreign matter.

FEATURING

- Superior regulation characteristics
- Rugged, corrosion resistant
- Excellent stability and repeatability
- Self relieving
- Integral, 40 micro self cleaning full mesh filter
- Low droop at high flow
- Several mounting options

APPLICATION

The design of the T50 regulator is suited to pilot operated controllers, instruments, and applications like actuators, air chucks, air spray guns, and air cylinders.

Weir Concepts at work for you

The T50 regulator aspirator maintains downstream pressure and compensates for droop when high flow occurs. The full flow gauge port is convenient for installation and can also be used as an additional full flow outlet.

Sensitivity

1" (25.4mm) water column

Flow capacity

20 SCFM (565 LPM)

**Effect of supply pressure variation
(25 psi) on outlet pressure**

<0.2 psi (0.01 BAR)

Exhaust capacity

(5 psi above 20 psi set point)

0.1-0.45 SCFM typical (2.8-12.7 LPM)

Maximum input/supply pressure

250 psi (17.2 BAR)

**Effect of changes in flow on regulated
pressure (100 psi/6.9 BAR supply)**

4 psi (0.3 BAR) overflow 10 SCFM
(283 LPM) (1/4" NPT, 20 psi /

1.4 BAR set point)

Output pressure ranges

0-10 psi (0-0.7 BAR), 0-30 psi (0-2.1 BAR)

0-60 psi (0-4.1 BAR),

0-120 psi (0-8.3 BAR)

Temperature ranges

-40°C TO 80°C

**Total air consumption @
maximum output**

6 SCFH (2.8 LPM)

Port size

1/4" NPT, BSPT

Size

3.19" X 3.19" X 7.25"

81 X 81 X 184mm)

Weight

1.81 lb. (0.8kg)

Materials of construction

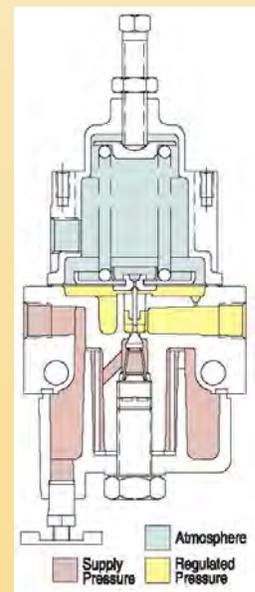
Body: die-cast aluminum
c/w vinyl paint

Adjusting Screw: plated steel

Trim: plated steel, brass,
acetal resin

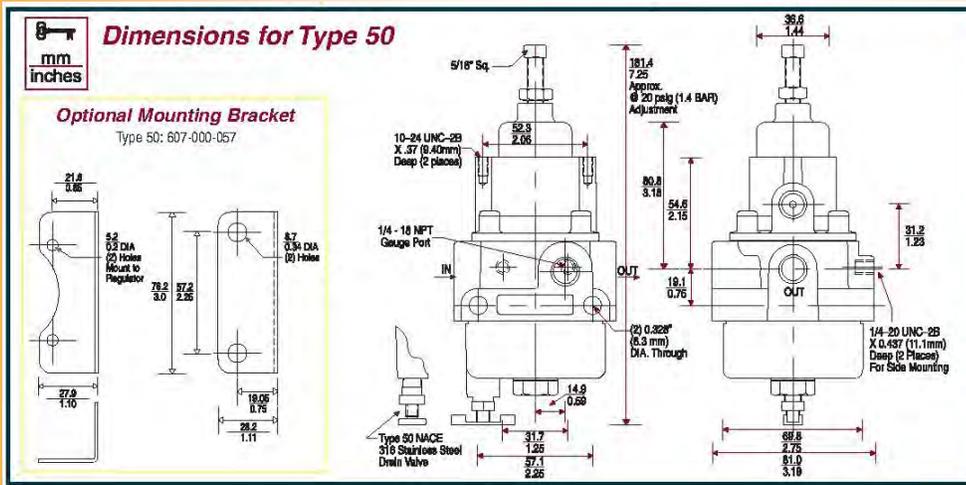
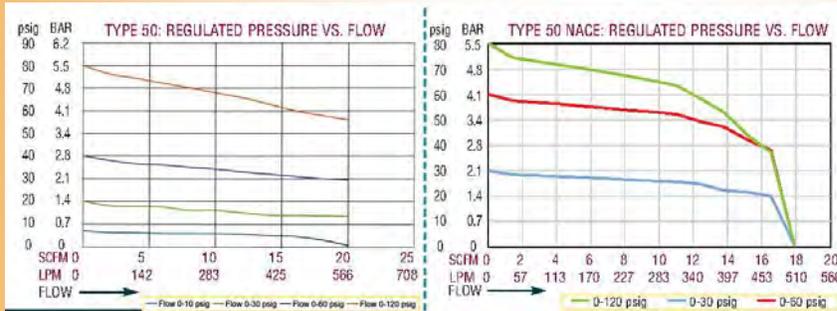
Diaphragm: Buna-N elastomeric
with polyester fabric

Knob: Plastic



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toll free 1.866.462.1910

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