



PART NO. 520 GPS SERIES

SPECIFICATION:

■ **PRESSURE:**

Inlet (Operating): 1500 to 3200 PSIG
Out (Regulated): 270 to 460 PSIG – flat
line curve (adjustable to customer
specification)
Proof: 5000 PSIG
Burst: 7500 PSIG (min.)

■ **TEMPERATURE RANGE:**

Operating: -65 to +160°F (-54 to +
71°C)

■ **MEDIUM:**

Dry air, carbon dioxide or nitrogen

■ **FLOW:**

Equivalent to .422 DIA. orifice

■ **LEAKAGE:**

Bubble tight up to max. operating pressure.

■ **LIFE:**

50 cycles (min.)

■ **WEIGHT:**

1.7 lb. (max.) without optional
pressure gage (weight depends on
model), gage protector shell (.085
lb), and siphon tube (.033 lb.)

■ **OPERATION:**

To arm: Engage cable ball end in pulley and
insert 3/16 hex key in pulley socket. Lift
lock pin, rotate pulley counter-clockwise
with hex key until pin aligns with mark ▲,
release lock pin. Detent will engage. To
actuate: Pull cable. (Max. pull force
required is 20 lbs.)

MATERIALS:

Anodized aluminum, stainless steel, soft seat,
and Buna-N

APPLICATIONS:

Used when mechanical actuation/initiation of a
pressure regulated gas flow is required. Typical
applications include rapid inflation of life rafts
and emergency slide evacuation systems for
military and commercial aircraft.

Note: Other valve configurations with
alternate feature orientations available upon
request.

