

xplo - 4
PG 143

SERVICE, DISASSEMBLY AND RE-ASSEMBLY **PulseGuard**

PipeHugger Damper Type / Volume / Design Pressure / Membrane Type, Diameter y Length - Material / +Piping Base or Direct Connect / Wetted Metal

Under License From Wipac/Parker since 1982
Pt. Nbr. - Identification : **PHr** - LP / -Lt = Liters / -Br = Bar / Ex EG: D 450 y 120 - E / + PB 6"x6" or 10"600# or 8"8W / **316ss, A20, HC276, etc**
-Lnd. / D=Liquid Bladder

CUSHION PREFILL DRIVE BONNET END

Cushion Prefill Valve Pt Nbr 2581 shown below the bonnet, can only be replaced from inside the prefill drive bonnet, by disassembly. Since Mid 2003

Since Mid 2003 Thru 2002

LIQUID-IN BLADDER

When liquid is inside a membrane we say "bladder", as opposed to a balloon, or "gas bag". With liquid inside, Nitrogen is in the drive bonnet or "vessel", the vessel does not have to be from exotic material

The pip of incompressible elastomer inside center of the rolling diaphragm shown above, is located within the undercut of the anti-extrusion plate 5 below. A blunted & smoothed prodder & hollow ended pusher are used to push at "A" and feed pip into "B"

LIQUID CHAMBER !

Type PeG/TW

ANSI A53 New SA 102	<ol style="list-style-type: none"> 1, Nitrogen Pre-Filling Valve 2, Nitrogen Bonnet 3, Bonnet Head 4, Segmental or Spiral Lock Ring 5, Liquid End Plug 6, Diametral "O" Seal 7, Anti Extrusion Plate 8, Bladder (Liquid Inside) <p>The following materials are normal inventory, or short lead time.</p> <p>N = Butadiene Acrylo Nitrile E = Ethylene Propylene Ter-Polymer V = Fluora Carbon Elastomer.</p> <p>Low & High temperature, +Food/Drug vers. available.</p> 9, Corner Filling Ring (If Req'd.) <p>TO ORDER SPARES SK = Spares Kit Including Seals and Pre-Fill valve Example : - SK-B24x80-E</p>
SA 106 Gr. B SA 516 Gr. 80	
Wrought Metal	
Separator Membrane	
Elastomer Liner Same Material as Bladder but harder	
Process Liquid	
Oxygen Free Dry Nitrogen "O.F.N."	
High cost material	

PulseGuard wishes to review its products; we will install a spares kit, test, & recertify your damper, for the same cost as a spares kit. If \$40.00 has been saved on the original purchase price, by using a "pin core valve," you may wish to have the factory convert your damper to the "Strut Valve" at the bottom of this page. Please Call for a Return Materials Authorization Number, -An "RMA", aka "RGA".

PIN CORES
ARE JUST CHECK VALVES & PROVIDE NO CONTROL

REQUIRE

"PRE-CHARGING" ASSEMBLY
AND You can not stop what's in the hose going into the damper.

CYLINDER REGULATOR
AIR/O

HELP LINES
PulseGuard
US Toll Free 1-888-Dampers 226-7277
Fax Free 1-888-925-5357
International -61-910-270-2737

CUSHION PRE-FILL DRIVE BONNET END

REQUIRES NO SPECIAL TOOL TO OPEN OR CLOSE. The 9019c valve has been proven by 25 years use on the landing gear of every aircraft on which you have flown. USE THIS VALVE. DO NOT attach pipes. ALWAYS put the seal cap back on. Use of other valves invalidates warranty.

For Use to 6,000 psi
9019C N2 Pre-Fill Valve.
0.305" x 32 tpi
0.5" x 20 tpi
UNF 2B - 304SS
0.75" Hex to open
No Pin Core.
Seal 016-70-N
0.691" OD
0.07" Section

"Euro Valve" For Use to 15,000 psi
M28xM8 CAP
NUT M28
MDS-08 SEAL

LIQUID-IN BLADDER

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Bladder STABILISATION WEBS, for anti-extrusion plate (5) alignment.

The pip of incompressible elastomer inside center of the rolling diaphragm shown above, is located within the undercut of the anti-extrusion plate 5 below. A blunted & smoothed prodder & hollow ended pusher are used to push at "A" and feed pip into "B"

WET END

Slashing the cost of exotic specifications
PHr-Lnd./-/-

Elastomer Liner
Same Material as Bladder but harder

RETAINING PLATES

END PLUG

SPIRAL LOCK RING

High Cost Materials
Tantalum etc.

STRUT valve
CLOSED OPEN

But the standard PulseGuard strut valve way, saves a bundle, and is safer.

Strut valve, closed & opened with a wrench, you have.

40 YEARS AIRCRAFT PROVEN.

REQUIRES

N2 Cylinder "Full" used apply. LH 70" BSP 1/2" connector

3/4" AF