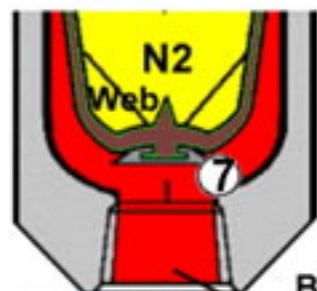


PipeGuard / LP The Original, one piece high intensity trans-inject molded, GAS BAG flow fluctuation accumulator - from The 1965 Originators



For Flow Fluctuation removal AND Pressure Pulse Interception
STANDARD INVENTORY DUAL USE CONFIGURATION

Where an Extra "T" has BEEN INSTALLED
 Single Connection Options



NF

Thread connection
 NPT F up to 1.0".
 ISO, BSP, // to 0.75"
 Larger sizes are Male.
 BSP are always 1 size smaller than NPT tabulation to leave metal for face seal.



NM

Above 1.0" NPT threads are male, socket welded.



Flanges with a large pitch circle diameter for the stud boltings, are welded to a short pipe extension.

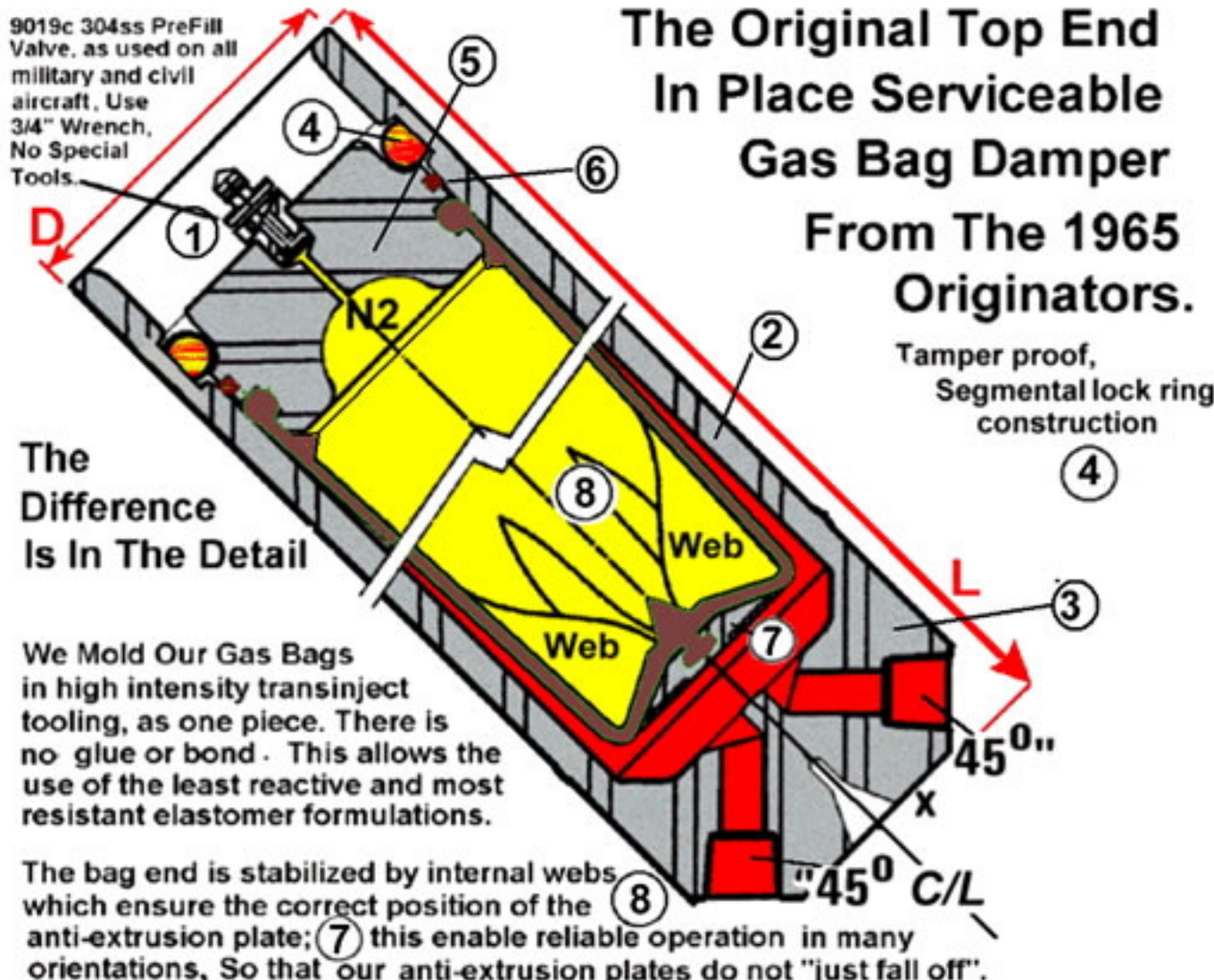


FF

Integral flanges are provided when smaller than damper body Tapped stud holes ANSI or DN--PN-- Face.

DN PN or ANSI Flanges extra

9019c 304ss PreFill Valve, as used on all military and civil aircraft. Use 3/4" Wrench, No Special Tools.



The Original Top End In Place Serviceable Gas Bag Damper From The 1965 Originators.

Tamper proof, Segmental lock ring construction

The Difference Is In The Detail

We Mold Our Gas Bags in high intensity transinject tooling, as one piece. There is no glue or bond. This allows the use of the least reactive and most resistant elastomer formulations.

The bag end is stabilized by internal webs which ensure the correct position of the anti-extrusion plate; 7 this enable reliable operation in many orientations, So that our anti-extrusion plates do not "just fall off".

Single connection Not recommended for :-
 a. Pulsation Interception
 b. Flushing before service
 c. Frequencies above 7 Hz. (Shorter than 700 Ft of pipe)
 d. Constant Temp.

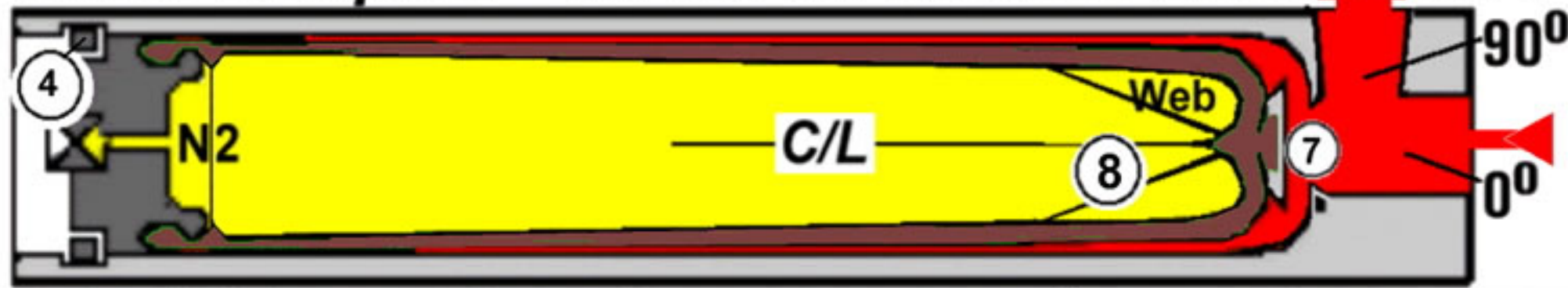
e. Particulate service.

D	_____
L	_____
C/C	_____

C/C = Connection to Connection

	CUSHION PRE-FILL
	ELASTOMER BAG
	PROCESS LIQUID
	STAINLESS STEEL

"Close Coupled"- direct on Suction Check Valve



Item	Part No.	Description	Material	I.D. #	CUSTOMER:
1	9019c	N2 Prefill	304ss		CUSTOMER REF.:
2		Body			QUANTITY:
3		End Closure			W/O No.:
4		Segments			WEIGHT (EST.):
5		Gas Bag Head Plug			W:
6		Seal - 70° IRH, A			ISSUED BY:
7		Flat Plate Anti-Extr.			CHECKED BY:
8		Webbed Gas Bag			ISSUE DATE: (DAY/MONTH/YEAR)

PulseGuard
 Guard Against Pulsation

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In association with ShockGuard Ltd & Liquid Dynamics International Ltd

PIPE LINE SHOCK PROTECTION ANALYSIS DIAGNOSTICS SOFTWARE

TITLE: **IN-LINE THRU-FLO,**
 PUMP SUCTION SYSTEM ACCELERATION HEAD LOSS PREVENTER

Typical Application: High pressure inhibitor, demulsifier and methanol etc. injection in corrosive / offshore platform environments - with stainless steel externals.

FILE REF: PigLpVw.bmp	
SCALE: NTS	ALL DIMENSIONS ARE IN MM EXCEPT AS STATED.
VIEW NO. FIG-	
SHEET: 1 OF 1	REV. 0