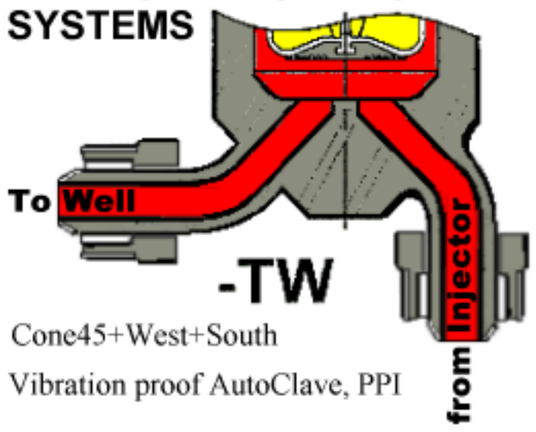
CLOSE COUPLING ENSURES PERFORMANCE
A SMALL DAMPER FITTED CLOSE TO A PUMP IS BETTER THAN A LARGE DAMPER FITTED REMOTELY
KEEP THE DISTANCE FROM DAMPER INTERNALS TO PUMP INTERNALS LESS THAN 10 PIPE DIAMETERS

Licensed. M. Packer '63

STANDARD FOR OFFSHORE PLATFORM INJECTION SYSTEMS



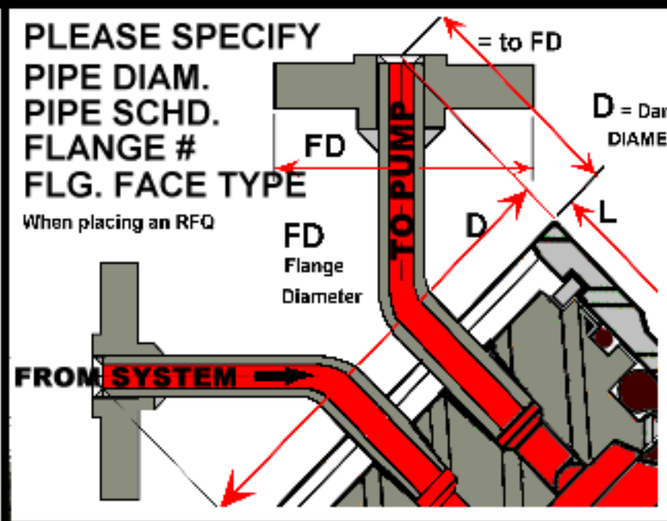
-TW

Cone45+West+South

Vibration proof AutoClave, PPI

PLEASE SPECIFY
PIPE DIAM.
PIPE SCHD.
FLANGE #
FLG. FACE TYPE

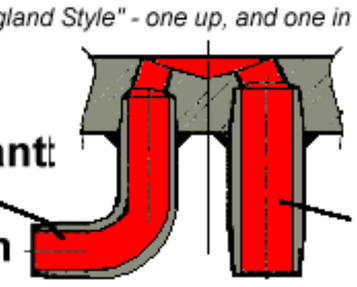
When placing an RFQ



TYPICAL FOR PUMP SUCTION SUPPLY DAMPER

STANDARD FOR SoG & PeG UNITS FOR LOW PRESSURE & THIN-WALL DAMPERS

AKA "New England Style" - one up, and one in left field



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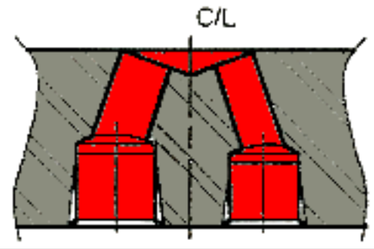
STANDARD FOR HP & HEAVY WALL DAMPERS. STANDARD FOR PH UNITS



1.25" PC...

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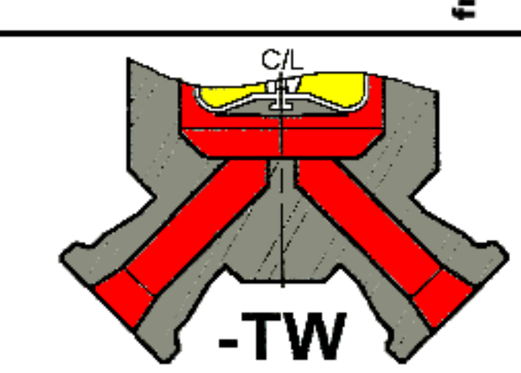
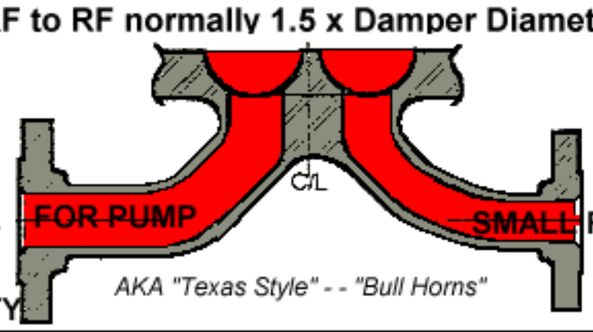
0° x 360°
FNPT



-TW

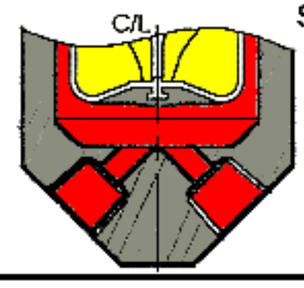
45° x 45° Clamp Hubs Seaboard Lloyd GrayLok, TecLok, SecureMax..

FITS IN PLACE OF A PIPE SPOOL. LENGTH RF to RF normally 1.5 x Damper Diameter



AKA "Texas Style" - - "Bull Horns"

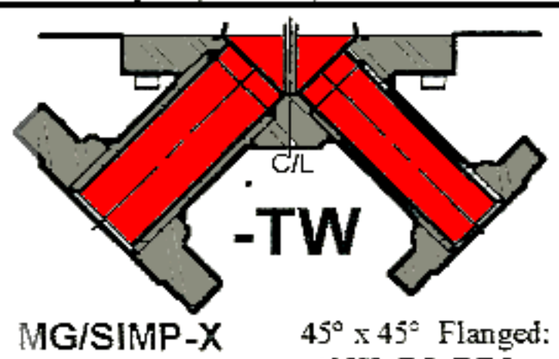
-TW
90° x 90°
ANSI B16.5
–" –#



STANDARD ON CARBON STEEL PiG UNITS FOR HYDRAULIC OIL.

-TW

45° x 45°
FNPT

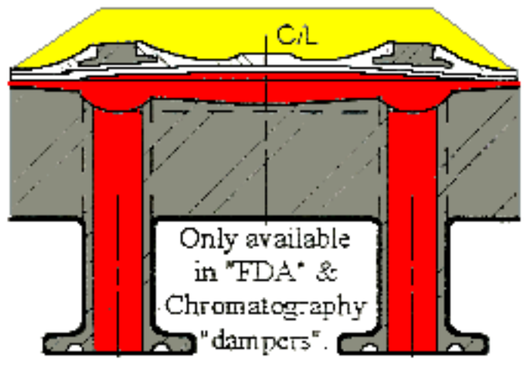


-TW

MG/SIMP-X –" –#

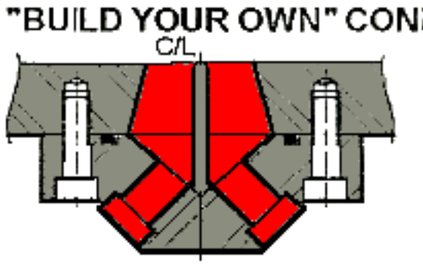
45° x 45° Flanged: ANSI, BS, DIN....

FOOD + DRUG STANDARDS



0° wide 360° Widely spaced for full cross flow in place flushing.

"BUILD YOUR OWN" CONNECTION SYSTEM.



"O" ring sealed "METERGUARD" Piping Bases.
MG–" Soc 45°
by –" Soc 45°

UP TO 6 CONNECTION SOCKETS.

"DAMPERS THAT DO - FLOW GOES THROUGH, PRESSURE PULSES DO NOT"

2 CONNECTION (minimum) FOR IN PLACE FLUSHING BEFORE SERVICE

or if you only require flow fluctuation reduction, with no guarantee of pressure pulsation damping, then

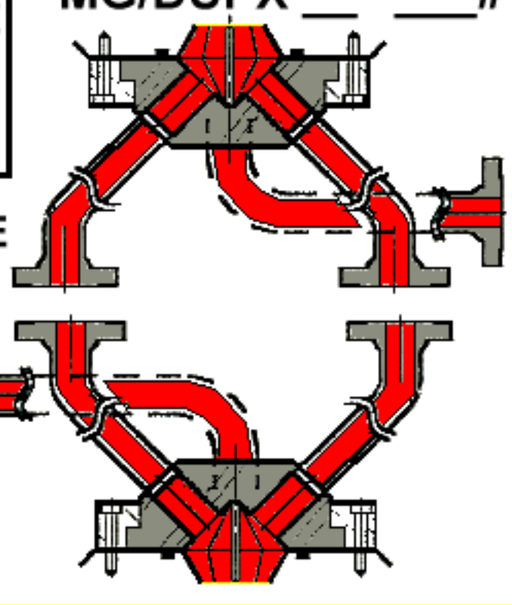
USE THE EXTRA CONNECTION TO SAVE A "T" FOR THE SYSTEM RV, DRAIN, or GAUGE.

STANDARDS FOR MULTIPLE & MULTIHEAD PUMPS

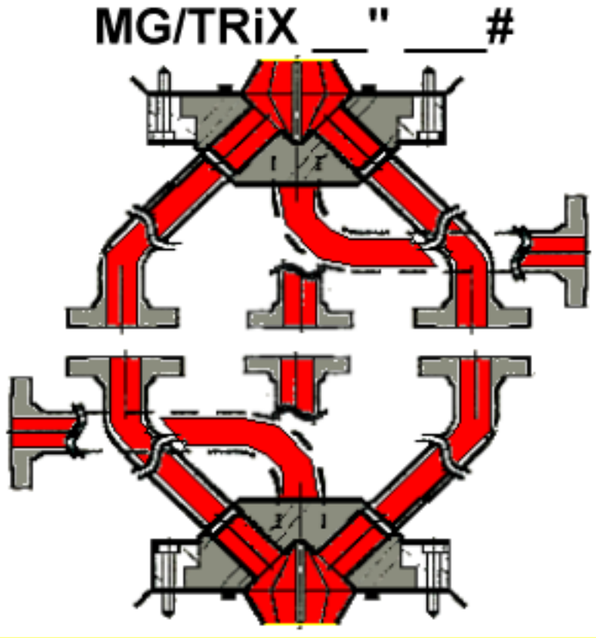
DISCHARGE

SUCTION

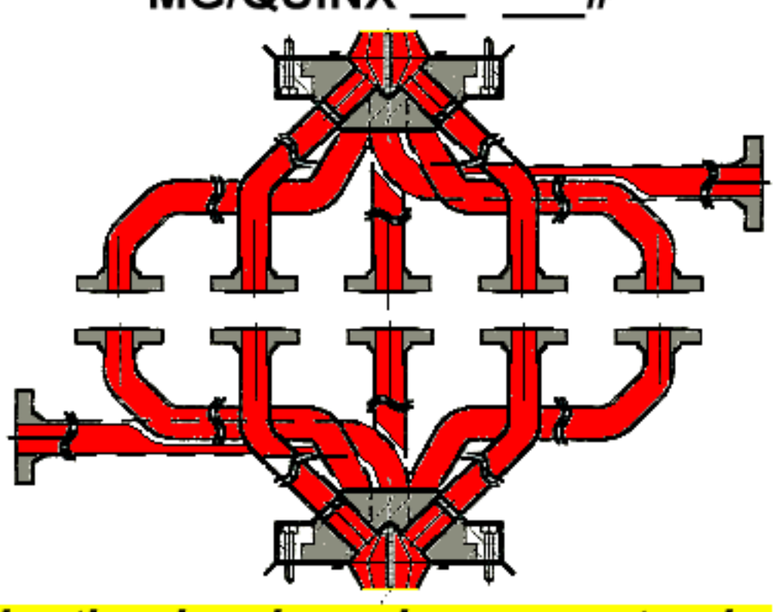
MG/DUPX –" –#



MG/TRiX –" –#



MG/QUiNX –" –#



In multi pump, & multi head, systems: Pressure pulsation reduction level can be guaranteed by preventing interaction between pump head check valves, and preventing resonance

METERGUARD PIPING BASES part number MG/

SIMP-X = For 1 pump head. **DUP-X** = For 2 pumps or 2 individual pump heads.
TRI-X = For the confluence 3 pumps or 3 individual pump heads. **QIN-X** For 5 pumps or heads.
All **---X** designations prevent individual pump and valve activities from the system responses "talking to each other".

Close coupling ensures that the small mass of the liquid column is unable to excite the pump parts by going into oscillation. True thru-flow ensures that pressure fluctuations are captured and can not by-pass. Alternately liquid mass that has to go up one hole, come to a halt, then reverse back out again in a fraction of a second, requires huge pressure fluctuations to produce this instantaneous mass reversal.

PulseGuard® Inc. & Ltd. USA Color Fax 910-270-0320, UK Colour Fax 44(0)161 443 1486
Your One Stop Damper Shop, with total in house capability

PlsGd-p3.bmp

Plsgrd p2 Plsgrd p4 HOME