**GOYEN - CP SERIES - CLOSE PITCHED VALVE**

**MANIFOLD SYSTEM**

**PRODUCT LEAFLET**

**DESCRIPTION**

12" diameter filter cleaning system manifold complete with 3" port CPV valves. Used in the reverse pulse cleaning of particulate filter elements. Suited to very narrow filter arrangements.

**FEATURES**

- ASME or PED compliance
- Carbon or stainless steel
- Minimum valve-to-valve spacing of 175 mm (6.89")
- Manifold pressure range from 1.0 to 8.0 bar (14.5 to 116 psi)
- Very high flow rates
- Rapid open and closing response rates

Please refer to Close Pitched Valve specification for valve performance and technical details.

**STANDARD FINISHES**

Carbon steel tanks: Abrasive cleaning, degreasing, undercoat (anti-rust) RAL7042 (25 μm), top coat (polyurethane) RAL5012 (25 μm minimum), total thickness 50 μm (-10% + 40%).

Other finishes, including e-coat/cataphoresis, available on request.

**MANIFOLD CONSTRUCTION CHARACTERISTICS**

<table>
<thead>
<tr>
<th>MANIFOLD DIAMETER</th>
<th>12&quot; nominal (DN 12&quot;)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MANIFOLD ENDS TYPE</td>
<td>Flat</td>
</tr>
<tr>
<td>CONSTRUCTION MATERIALS</td>
<td>Carbon steel or stainless steel (304 and 316L)</td>
</tr>
<tr>
<td>CONSTRUCTION COMPLIANCE/ CERTIFICATIONS AVAILABLE</td>
<td>– 97/23/EC (PED)</td>
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<tr>
<td></td>
<td>– ASME VIII Div 1 (U &amp; UM Stamp)</td>
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<tr>
<td>MINIMUM SPACING BETWEEN PULSE PIPE OUTLETS</td>
<td>175 mm 6.89&quot;</td>
</tr>
<tr>
<td>PULSE PIPE SIZE</td>
<td>3&quot; Schedule 40</td>
</tr>
<tr>
<td>PULSE PIPE END TYPE</td>
<td>Plain (Ø 88.9 mm OD)</td>
</tr>
<tr>
<td>TANK-TO-TANK CONNECTION FITTING SIZE</td>
<td>2&quot; Gas (BSPP) female</td>
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</tbody>
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**MANIFOLD TEMPERATURE RATINGS**

| CARBON STEEL CONSTRUCTION | -40°C to 100°C  
| | -40°F to 230°F |
| STAINLESS STEEL CONSTRUCTION | -50°C to 93°C  
| | -58°F to 199°F |
| VALVE OPERATING TEMPERATURE RANGE | -30°C to 100°C  
| | -22°F to 212°F |
| MANIFOLD PRESSURE LIMITS | 1.0 to 8.0 bar  
| | 14.5 to 116 psi |
MANIFOLD SYSTEM

ORDER CODE – CLOSE PITCHED VALVE MANIFOLD SYSTEM

Pilot type
R=Remote pilot
I=Integral pilot

Outlet pipe length
L=Long outlet pipe
S=Short outlet pipe

Tank diameter
12=12" tank

Remote pilot size
0=1/8" (also for integral pilot)
1=1/4"

Pilot & Secondary Exhaust thread
0=NPT
1=Rc
2=G

MANIFOLD DIMENSIONS

MANIFOLD BRACKETS

Solenoj type
300=300/380 V 50/60 Hz Q Coil
301=100/120 V 50/60 Hz Q Coil
305=24 V DC Q Coil
203=110 V DC 18 W
220/240 V 50/60 Hz 8B4 coil
204=48 V DC 18 W
115 V 50/60 Hz 8B4 coil
205=24 V DC 18 W
48 V 50/60 Hz 8B4 coil
206=12 V DC 18 W
24 V 50/60 Hz 8B4 coil

Distance between valves
Distance in mm, minimum P175

Number of valves
101, 102, 103 etc.

Seals material
N01, N02, N03 etc.

BRACKET DIMENSIONS

MODEL | A | B | H
--- | --- | --- | ---
TH12 | 490 mm [19"] | 300 mm [12"] | 340 mm [13"]
TM12 | 490 mm [19"] | 300 mm [12"] | 288 mm [11"]
TB12 | 490 mm [19"] | 300 mm [12"] | 234 mm [9.2”]

Note: The information and data contained in this document are based on our general experience and are believed to be correct. They are given in good faith and are intended to provide a guideline for the selection and use of our products. Since the conditions under which our products may be used are beyond our control, this information does not imply any guarantee of final product performance and we cannot accept any liability with respect to the use of our products. The quality of our products is guaranteed under our conditions of sale. Existing industrial property rights must be observed.

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