


<b>PUR</b>	<b>PURCHASING DEPT</b>	ALL		 <b>VESUVIUS</b>
<b>PARTICULAR PURCHASE CONDITIONS</b>				
Hydraulic	<b>VESUVIUS GROUP s.a.</b>	<b>PUR 28-01</b>		

**1. Technical specifications and tests to be conducted by supplier**

**1.1. Drawings**

The parts must be manufactured according to the instruction mentioned on our drawings. The versions of the drawing are referenced on the purchase order. It is the responsibility of the supplier to verify that he is in possession of the "updated" documents corresponding to the purchase order before starting the manufacturing. In case of error in the version, the modification or the replacement of the parts shall be supported by the supplier. For the assemblies, the « parts list » indicates the version of the parts.

In cases where the detail drawings are realized by the supplier (hydraulic unit, cylinder...), these drawings will be submitted to Vesuvius approval before manufacturing start of the equipment.

**1.2. Derogations**

A Technical derogation can be proposed but its acceptation must be confirmed in writing by the purchaser. The derogation documents shall be joined with the parts.

**1.3. Flexibles**

For each manufacturing batch, a flexible of this batch will be tested to the pressure stated on the drawing (test pressure) or to a pressure equivalent to 1,5 x pressure of working conditions.

Flexibles will always have plastic stoppers (at the ends).

Manufacturing batch will be stated on the Test certificate along with the technical description of the tubes used to produce the flexible. This document must absolutely mention the kind of fluid the flexible is compatible with.

**1.4. Hydraulic sets or assemblies**

For each set of a manufacturing batch of valve blocks or set of hydraulic components assembled together, a pressure test will be carried out with a higher pressure than the working conditions ( According to current rule for the tested equipment)

A functional test of each installed components will be carried out along with check of possible internal leakages in the manifold bloc.

All these tests will be documented and commented into the test report of each set.


Upon particular case, specific tests could be requested to the supplier.

**1.5. Hydraulic Units**

For each hydraulic unit , a complete functional test will be carried out by the supplier and a test report will be printed out.

The fluid used for the test will always be of same kind as the fluid the unit will be running with. The fluid used for the test will be stated on test report. Possible

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regulations, requested on the drawing, will be carried out and stated on the test report.

Upon particular case, specific tests could be requested to the supplier.

Unless otherwise indicated, the unit will be delivered cleaned -tank and filter empty .

#### 1.6. Accumulators

Accumulators will be delivered with a Conformity certificate for the bladders.

The kind of bladder, working pressure and maximal pressure must be indicated on the document forwarded with equipment.

#### 1.7. Cylinders

Each cylinder will be tested to a pressure (1,5 equivalent to working conditions) and run minimum 10 times. A test certificate will be printed out.

A dimensions inspection sheet must be provided for 10% of the parts. The controlled parts shall be identifiable so that the inspection sheet can be validated.

#### 1.8. Lifting Points

Lifting points must be made respecting the involved rules on this topic. They must allow the use of lifting devices without damaging the equipment. The purchaser thus advises the setting of lifting rings on each upper side of the units.

These handling points, becoming highly dangerous and lethal if not well done, must be identified and validated on the test report of the units.

### 2. Quality Control

#### 2.1. Certificates and documents

Control sheets, test report, EC certificates for units and other requested documents; in particular for point 1 will be joined to the delivery note unless otherwise stated in the Purchase order. The technical documentation will be also forwarded at least with material delivery.

#### 2.2. Cosmetic

A particular consideration shall be given to the visual aspects of the parts (roughness, oxidation, rust ...). A particularly neglected aspect could give rise to the reject of the part.

### 3. Traceability rules


#### 3.1. The packaging

Each packing unit shall contain only one kind of parts and shall be provided with a label mentioning:

- Order No.
- VESUVIUS code N°.
- Number of parts in the packing unit

#### 3.2. The marking

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The marking of each part shall be carried out according to Vesuvius Instructions PUR34.

### 3.3. Documents

The order confirmations, delivery notes, dispatch notes and invoices shall mention the following indications:

- Order No.
- VESUVIUS code N°.
- Vesuvius description of each delivered parts
- Delivered quantity as well as, whenever possible, the net and gross weight

### 4. Sanction in case of Non Conformity

- 4.1. Rejects of parts for obvious reasons such as drawing version, material to be used ... shall result into a penalty of 2% for administrative cost to handle the non-conformity.
- 4.2. Each non-conformity is recorded and gives rise to a negative imputation during the yearly assessment of the seller. Too much non conformities shall result in the temporary or final suspension of the collaboration.

The Vendor

For VESUVIUS GROUP S.A.,

CY : \_\_\_\_\_

Name : \_\_\_\_\_

Name : \_\_\_\_\_

Title : \_\_\_\_\_

Title : \_\_\_\_\_

Signature :

Signature :

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