

## **HYDROSTATIC TEST**

➤ This PDF/printable version is displayed here for your convenience, in case, you have to collect below mentioned information from your colleague.

**If you have all informations, please visit**

**<http://www.pressurejet.com/Enquiry.aspx?Id=5> and send it to us.**

**1) Question: Have you ever used hydrostatic test pump? If yes, please let us know the make and other details.**

Question Explanation: This question is very important to let us know your understanding / knowledge about this product. It is essential for us to open right communication.

**2) Question: Please inform test pressure / discharge pressure in psi or kg /sq. cm or bar or kpa.**

**Question Explanation:** Normally, customer should select 10 to 20% more pressure than requirement. Several times, customer thinks that Higher Pressure Pump may be needed for future application. Based on that, they propose quite high pressure pump, which may be very costly. In some cases, it is other wise. There are many models, where price may be almost same for different pressure, only motor and other miscellaneous accessories will be changed and total cost impact may be too small (e.g. If you select T2-15-10 model for 2 lpm / 125 kg/sq. cm / 1 hp or if you select 1.6 lpm / 375 kg/sq. cm / 2 hp, there may be hardly 10 to 15% price difference between 125 kg/sq. cm and 375 kg/sq. cm as the model is same.) at the same time, in some cases, little high capacity (flow rate) or pressure, price may be too high.

**3) Question: Name of equipment/component to be tested.**

**Question Explanation:** Many a time, this information is sufficient for us to propose right model or to provide references. Your equipment/component may be valves, hose, tube or pipe, boiler, heat exchanger, cross country pipe line, vessel, reactor etc.

**4) Question: Size of the equipment / volume of the equipment. If you do not know, please type "Don't know", however in such case pump discharge / flow rate is essential.**

**Question Explanation:** Either flow rate of the pump or size / volume of the equipment to be informed. Without size / volume of the equipment, we cannot select right model.

**5) Question: Available time for one hydro test approximately.**

**Question Explanation:** It is very important to inform the time available to achieve desired pressure. If more time is available, then low flow, small pump can be selected, which will be a cheaper solution and if less time is available, we shall select high volume high pressure pump to finish hydrotest in stipulated time period.

**6) Question: Flow rate of the pump, if you know.**

**Question Explanation:** If you have this information, then you can provide straightway to reduce communication. You may also furnish your existing pump detail for better selection.

**7) Question: Will you stop the pump immediately after obtaining desired pressure? Yes/No, if no, why do you want to run the pump under pressure? For how many hours?**

**Question Explanation:** This is important for us to select the duty condition of the pump. Mostly, user stops the pump once achieve the test pressure. There should be ball valve and Non Return Valve (NRV) between equipment and pump. As soon as pressure is being achieved, user should shut off the ball valve to stop the pump. If equipment does not leak, it can be stamped as "ok". Very rarely, in few applications, some leakage is permissible and in that case, user keeps the pump ON to maintain the test pressure for particular time. This kind of test requires heavy duty pump.

**8) Question: No. of equipments / day to be tested.**

**Question Explanation:** This will help us to select the flow rate as well as duty of the pump.