Fire Extinguisher Test and Recharge Line

CAPABILITY SHEET · TEST IT WET; FILL IT DRY · A GUARDED WATER TEST CELL, A DRYING STATION AND A WE

THE ONE IDEA

PRINCIPLE	Test it wet; fill it dry.
WHY IT MATTERS	A water test leaves water behind, and moisture makes the dry chemical agent lump and discharge badly. So the cylinder is drained and dried right through before the agent goes in.

THE LINE

RECEIVING AND EMPTYING	A receiving point where the pressure is let out safely and the head is removed, and an emptying point for the old agent, kept by type.
TEST	A guarded test cell with a water circuit, a test pump, a relief valve and a gauge. The cylinder is filled with water and bled of air first.
DRYING	A drain and drying station with warm dry air, and a check that the cylinder is dry before it moves on.
FILL AND CHARGE	A filling station with a scale, a funnel and dust extraction, and a charging panel with dry nitrogen, a regulator and a relief valve.
CHECK AND TAG	A leak check in a water bath or with leak-detection fluid, a final weighing against the mark, a tag and a record for each unit.

THE METHOD

ORDER	Strip, test, dry, fill, charge and check. The drying and the weighing are the two that a quick job skips.
LIMITS	Pressures, masses, intervals and times come from the customer's standard and the extinguisher maker, and are not printed here.

CONFIGURATIONS

TEST AND DRY STATION	A guarded cell and a drying station, for a workshop that already fills.
FILL AND CHARGE STATION	A weighed filling station and a nitrogen panel, for a workshop that already tests.
COMPLETE SERVICE LINE	All six steps in a fixed order, with one record for each unit.

STANDARDS & SCOPE

STANDARDS	Public reference: NFPA 10 for portable fire extinguishers, IS 15683 for their performance and construction, IS 2190 for their selection and maintenance.
SCOPE BOUNDARY	It is the fire extinguisher test and recharge line: not a hydrostatic test bench, not a gas filling system and not a gas fire suppression system.
STATUS	Neometrix engineers fire extinguisher test and recharge lines to order, and no delivered fire extinguisher test and recharge line is claimed.

DEFENCE PROGRAMMES DESK

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