

METAL CLEANING MACHINES



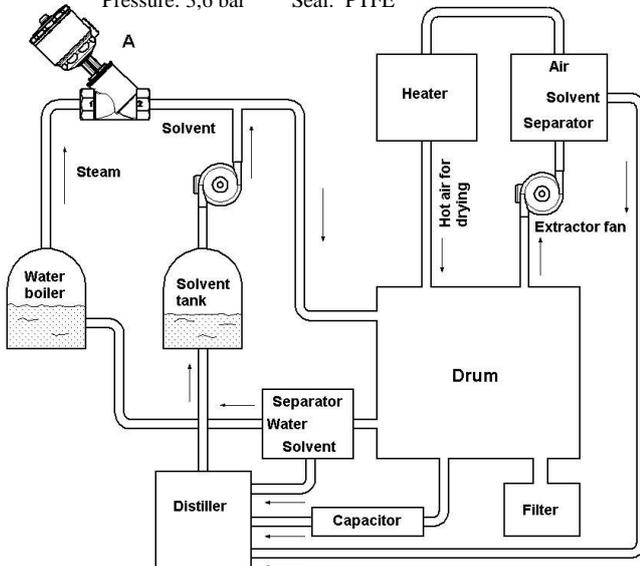
Metal cleaning machines are industrial cleaning machines with a closed-circuit drying system. They clean metallic parts of iron, aluminium, brass, bronze, stainless steel, etc. using solvents (ex. Perchloroethylene) and dry them with hot air. The cleaning operation can be carried out in three stages:

- a) with hot solvent;
- b) with cold solvent;
- c) with solvent fumes.

The three stages are independent and repeatable and their duration is adjustable according to the type of material to be degreased. The cycle ends with the complete drying of the material. The solvent is kept clean by constant distillation.

PLANT DESIGN

PAV - A
Media: Steam Temperature: 140° C
Pressure: 3,6 bar Seal: PTFE



APPLICATION

Components to be cleaned are placed inside a drum where the solvent circulates (hot, cold or fumes according to the selected cleaning cycle). Dirt deposits on the bottom of the drum and is collected by a specially provided filter. The condensation and the fumes inside the drum are gathered and regenerated by a distiller after impurities (slag, air, water, oil, etc.) have been sorted out. The clean solvent is then let into the cleaning cycle again. According to the cycle, the solvent can be warmed up by a steam jet at 140°C generated by a specially provided boiler and controlled by valve (A). It is then conveyed into the drum. For the drying operation, air is sucked up from the drum, depurated, warmed and reintroduced into the drum.

SOLUTION



TYPE BTG205CXW00 / SXS cod. 75883733290

Bi-directional Normally Closed Bronze PAV
 Ø 45 Actuator – 1/2" gas Connection
 Medium Direction over / under seat
 Piloting Pressure min. 6,2 bar over seat
 Piloting Pressure min. 5 bar under seat
 Piloting Pressure max 10 bar
 Working Pressure 0-16 bar
 Seal Material PTFE