

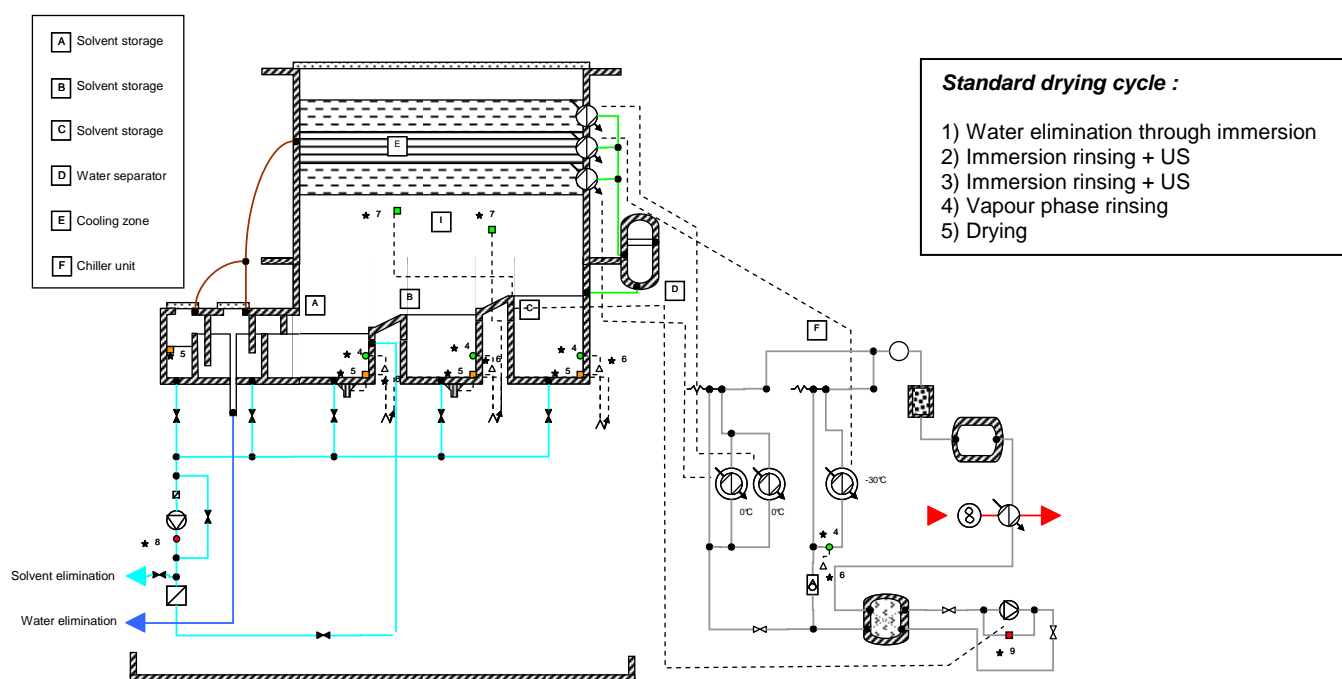
MACHINE FILE - USD, SOLVENT DRIER

This is a sophisticated drying process utilising fluorinated solvents in open tanks compatible with operating and environmental legislation. The drying process is by water displacement; the parts are then coated in the solvent and are dried in the presence of cooling pipes which condense the solvent. This process counters corrosion problems which can arise with hot air or vacuum drying. It can also increase productivity.

Applications :

Drying of complex parts
Rapid drying (quicker than hot air systems) where avoidance of heating the parts is preferred

Principal of operation :



U3SD 60 drier with automatic cover

TECHNICAL FILE - USD, SOLVENT DRIER

Machine characteristics :

	U3SD 15	U3SD 30	U3SD 60
Tank volume (litres)	15	30	60
Tank dimensions (mm)	300 x 250 x 200	400 x 300 x 250	500 x 350 x 300
Machine dimensions * (mm)	1800 x 800 x 1300	2400 x 950 x 1400	2700 x 1000 x 1500
Maximum solvent volume (litres)	80	115	245
Regeneration power rating (kW)	1.5	2.25	5
Overall power rating (kW)	5.5	10	16

* excluding conveyor and electrical cabinet

Standard equipment :

Electrical heating, temperature control with digital display
Manual sliding cover
Tank construction – stainless steel (AISI 316 L), deburred after welding, retaining tray
Integrated water cooling unit (5°C et -30°C)
Machine frame – profiled semi-hardened steel, anti-rust paint colour: grey (RAL 7037), adjustable feet
Cover panels – steel sheeting, epoxy paint, colour: grey (RAL 7035)
Water separator
Automatic protections: vapour control, distillation level, cooling zone pollution control
Circulating pump

Options :

Ultrasonic agitation – frequency 25 – 40kHz
Baskets
Tank filtering pump
Fill and purge pump system
Automatic re-filling
Automatic tank covers
For basket automation see robot file, URD

Electrical supply :

400 volts tri-phase + Neutral + Earth, see table for power rating

Sound level :

Estimated: 80 dBA (dependent upon options)

Safety standards :

Manufactured according to European Directive CEE 89392 (14/06/89) and standards 92765-92766-92767 (29/07/92)
CE marking