



LEADING IN PRODUCTION EFFICIENCY

# Compact 80C / P

## THE COMPACT SOLUTION





# Compact 80C / P

## The compact solution

As highly effective cleaning media, non-halogenated hydrocarbons allow safe and economical use of solvents for removing oils, greases, emulsions and swarf between or after manufacturing processes. Both small factories, with comparatively low production capacities and large factories, with decentralized cleaning stations, benefit from the sophisticated technology of the **Compact 80C**.

Even greater flexibility is offered by the **Compact 80P**, which uses polar and partially polar solvents. Many different process alternatives using hot and/or cold immersion with down-line vapour degreasing are ideal for meeting the requirements expected of modern manufacturing processes with regard to quality and functionality.

Removal of large quantities of oil or swarf from mass produced parts or particles of dirt with a defined size in fine cleaning can be achieved by selecting the appropriate filtering system and other application-dependent optional extras.

## Equipment and process

- » Cleaning and drying process in an enclosed working chamber
- » Circulation filtration
- » Injection flood washing
- » Emulsion separation
- » Manual or automatic feed of the working chamber from the front
- » Automatic locking of working chamber door
- » Multiple monitoring of safety-relevant temperatures and pressures in the tanks
- » Rotational and swivel movement to assist cleaning and drying process
- » Continuous solvent treatment by vacuum distillation
- » Continuous separation of low boiling substances and water
- » Siemens S7 PLC control for individual programming of the process sequences
- » Error diagnosis via plain text display on operator control panel (Siemens OP17)
- » Minimized energy input due to heat recovery
- » Large maintenance and cleaning openings in the tanks
- » Closed system housing with maintenance doors for optimum access

## Technical data

OUTSIDE DIMENSIONS OF THE C-INSTALLATION	
Width	4,120 mm
Depth	1,600 mm
Depth with manual feeding	2,350 mm
Height	2,750 mm
Feed height	850 mm
*Other dimensions for the P-Installation	
BASKET	
Length	530 mm
Width	320 mm
Height max.	200 mm
Batch weight max.	75 kg
Throughput depending on work sequence and treatment time required	approx. 12 batches/h
Connected load	3 x 400 V / 50 Hz
STANDARD SYSTEM	
Motor power	13 kW
Heating power	9 kW
Total load	22 kW
SOLVENTS WHICH CAN BE USED	
Aliphatic and naphthenized hydrocarbons, non-flammable (other solvents possible)	

## CAPACITY OF STANDARD SYSTEM

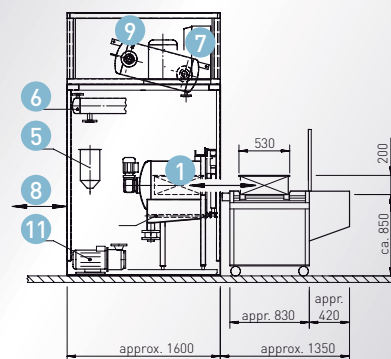
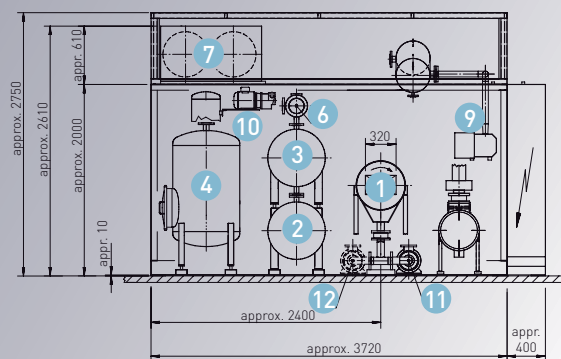
With 1 flood tank	approx. 350 l
Distillation unit	approx. 170 l

## Optional extras

- » Second and third flood tanks for precision cleaning and conservation
- » Fine filtration by cartridge filter
- » Ultrasonic device
- » Automatic feed
- » Automatic basket lid placement
- » Continuous oil discharge
- » Modem
- » Visualization

## Advantages

- » Sophisticated, redundant safety equipment
- » Standard application non-flammable solvents
- » Other solvents possible
- » Operation almost totally emission free, environmentally friendly process
- » Selectable water or air cooling
- » Vacuum distillation for optimal solvent preparation
- » Double solvent filtration during filling and emptying of working chamber



- |                          |                          |                                  |
|--------------------------|--------------------------|----------------------------------|
| 1 Work chamber           | 5 Filter (OPTION)        | 9 Vacuum unit drying             |
| 2 Flood tank I           | 6 Distillation condenser | 10 Process vacuum unit           |
| 3 Flood tank II (OPTION) | 7 Cooling unit I         | 11 Non-chokable pump I           |
| 4 Vacuum distillation    | 8 Fill - Drain           | 12 Non-chokable pump II (OPTION) |



LEADING IN PRODUCTION EFFICIENCY

## Dürr – Leading in Production Efficiency

Four divisions, one goal: maximum production efficiency for our customers

- » **Paint and Assembly Systems:** Paint shops and final assembly plants for the automotive industry and aerospace construction
- » **Application Technology:** Robot and application technology for applying paint, adhesives and sealants
- » **Measuring and Process Systems:** Balancing technology, cleaning technology and testing, filling and assembly products
- » **Clean Technology Systems:** Exhaust air purification systems, energy efficiency technologies

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