BÖWE’s innovative ideas and continuous development have ensured the company’s excellent reputation throughout the world.

Today BÖWE delivers high quality PERC and Multisolvent® dry cleaning machines to the world.
BÖWE’s history – located in the Black Forest in Germany – started in 1945 with the foundation of the company by Max Böhler and Ferdinand Weber after the end of the Second World War.

As a supplier for several companies they had the idea of developing dry cleaning machines. Five years later Böhler and Weber presented the first dry cleaning machine for garments. That was the beginning of a success story and today BÖWE delivers innovative and high quality machines to the market throughout the world.

Get the benefit out of dry cleaning machines with over 70 years experience.
PremiumLine

WITH THE PREMIUM LINE ASSEMBLY IT IS POSSIBLE TO
CHOOSE BETWEEN TWO DESIGNS IN P/M12-18 MACHINES.

The versatile design of P/M 12-18 machines offers the possibility
to choose between a Slim- or CrossLine configuration.

MACHINE WEIGHT (without solvent)

M12/27, P12
1155 kg | 2546 lb

M15/33, P15
1255 kg | 2767 lb

M18/40, P18
1355 kg | 2987 lb

M21/46, P21
2025 kg | 4465 lb

M26/57, P26
2175 kg | 4795 lb

M30/66, P30
2325 kg | 5005 lb
LOADING CAPACITY

M12/27 | P12 : 12 kg/27 lb
M15/33 | P15 : 15 kg/33 lb
M18/40 | P18 : 18 kg/40 lb
M21/46 | P21 : 21 kg/46 lb
M26/57 | P26 : 26 kg/57 lb
M30/66 | P30 : 30 kg/66 lb

The dimensions given may differ if special options are used.
Premium CrossLine

M12/27, P12 | M15/33, P15 | M18/40, P18
M21/46, P21 | M26/57, P26 | M30/66, P30

DISTILLATION BESIDE THE MACHINE

DEPTH (mm, inch)

M12/27 | P12  | 1410 (55.5")
M15/33 | P15  | 1735 (68.3")
M18/40 | P18  | 1540 (60.63")
M21/46 | P21  | 1500 (59.1")
M26/57 | P26  | 1735 (68.3")
M30/66 | P30  |
Most compact dry cleaning machine world wide
⊕ fits through every door
⊕ 18 kg capacity within 2m²
⊕ distillation behind the machine.

Premium SlimLine
M12/27, P12 | M15/33, P15 | M18/40, P18

DISTILLATION BEHIND THE MACHINE

DEPTH (mm, inch)
M12/27 | P12  | 2165 mm (85.23”)  
M15/33 | P15  | 2275 mm (89.56”)
The BÖWE Philosophy

THE ROUND SHAPE OF THE COMPONENTS IS A CLEAR BENEFIT FOR THE OPERATION OF THE MACHINES AND ALSO FOR THE DAILY MAINTENANCE

ROUND SHAPES
⊕ less welds
⊕ less fatigue breaks
⊕ no lint balls
⊕ no corners and edges
⊕ better airflow
Sophisticated Design

ROUND DISTILLATION
Using the pump circuit of the sludge pump in the distillation process with the addition of a steam injection, this azeotropic mixture that is created helps reduce the percentage of solvent in the disposal waste.

SLOPING STILL BASE
The sloping bottom of the still makes it easy to transport the sludge to the rake out door. Because sludge creates an insulating layer, the sloping bottom of the still means that you can keep your distillation surface clean and save energy.
STAINLESS STEEL AIR DUCT
Round, efficient and aerodynamic.
Developed with the aviation industry.

DETERGENT STROKE PUMP WITH VITON® SEALS
Regulates the dosage from 50-150ml

⊕ very quiet
⊕ no lint balls
⊕ short drying times
⊕ no corners and edges
Capacitive sensors used only in BÖWE machines.

**NEW LEVEL SENSORS**
New level sensors check the filling level for distillation, drystat drying controller, the water separator and the sludge barrel. The sensors are maintenance and wear free.

**SELF-CLEANING WATER SEPARATOR**
The water separator is designed to avoid manual cleaning. The unit is made in high quality stainless steel together with big sight glasses.

**STAINLESS STEEL PIPES WITH CONEX UNIONS**
Security — 100% save

Independent test carried out by the former TBBG Institute in Germany certify that BÖWE Multisolvent® machines can installed and used without the need of a nitrogen bottle according to the ISO/WD 8230-3.2 applied to dry cleaning machines using flammable solvents.

In BÖWE PREMIUM LINE machines the control systems are serving as explosion protection and perform automatic checks so that failures cannot lead to unsafe conditions and explosions. This unique system also safeguards against involuntary maladjustments or manipulation of sensors and other devices present on the machine during the cleaning and drying phase. Electrical devices in these machines are checked in accordance with the EN 50014 – EN 50039.

NO PPM MEASURING DEVICE REQUIRED IN MULTISOLVENT® MACHINES
BÖWE created a very smooth surface by using a special cataphoresic coating by ion addition in a galvanic process. Thereby we prevent lint at the flange, back plate, cooler and fan housing, etc. The result is shorter cycle times and less energy consumption.
Lint filter

LINT FILTER AND BUTTON TRAP ONE UNIT
BÖWE machines are equipped with the biggest lint filter world wide. The lint filter with huge surface you only have to clean once a day after 8 cycles. Lint filter and button trap you can reach through only one maintenance door. In the button trap is an additional mesh, to protect the solvent pump for coins, needles, buttons etc.

SENSOR IN THE BUTTON TRAP
New developed sensor for low level in the button trap, capacitive, wear and maintenance free

CATAPHORESIC COATED BUTTON TRAP BASKET

- less cooling water, steam and energy consumption
- machine starts spinning, if solvent is drained completely
- possibility of controlled pumping time

Photo: Black Forest Edition
LONG LASTING PRECISE SEALING FLAPS AND GASKETS MADE OF VITON®
⊕ stainless steel air duct
⊕ gaskets for loading door,
⊕ maintenance doors,
⊕ sight glasses,
⊕ button trap,
⊕ distillation
⊕ airduct seal

5 YEARS WARRANTY ON COMPLETE CONDENSER AND HOUSING
⊕ stainless steel condenser housing in 316 TI stainless steel
⊕ cooling coil fixed with metal strips, thereby no vibration, noise and fatigue breaks
⊕ cooling coil with 70 μm zinc coating, industry standard is 7 μm
⊕ big condenser from P/M30 also in P/M12 – 18, giving cooler solvent.

Viton® is a high value material made of fluor and caoutchouc. The expensive Viton® is well known as a technical seal with high thermal and chemical resistance. Different from elastomer, it is resistant to hydro-carbons like oil and petrol, also at higher temperatures, it does not swell or dissolve.
Maintenance & Hygiene

Sloping tank bottoms prevent dirt and water accumulating in the tank.

Automatic maintenance for:
- distillation,
- spin filter,
- Slimsorba (active carbon unit),
- water separator,
- post water separator and
- cleaning of tanks

Preventing bacteria and odour:
Sloping tank bottoms prevent dirt and water accumulating in the tank.
PLC CONTROL

Plain text display and advice to guide the operator. Large numbers for the time remain so you can see them from a distance. Several maintenance programs are combined with the multi maintenance program.

Automatic multi maintenance for distillation, spin filter, Slimsorba (active carbon unit), water separator, post water separator and cleaning of tanks working at the same time.

Freely programmable and compatible to Siemens

BÖWE dry cleaning machines are available in the many control languages.

DIRECT CONNECT

⊕ quick fault diagnostic without service technician at site exactly the right spare parts get ordered
⊕ service avoidance in case of operator or maintenance error
⊕ router LAN connection required
DYNAMIC AIRFLOW DRYING SYSTEM

The patented stainless steel drum with dynamic drum perforation, less holes in the front area of the drum and more holes in the back area and in the back plate, forces the air the longest way through the garments.

This produces shorter and more efficient drying in problem zones, for example on shoulder pads.
A big loading door is not only a question of comfort but is also one of efficiency when loading and unloading.
Multistage Distillation in BÖWE Multisolvent®

THE FRACTIONAL DISTILLATION PREVENTS WATER ACCUMULATION IN THE SOLVENT TANK. BY AVOIDANCE OF DIRT AND WATER IN THE TANK NO CULTURE MEDIUM IS FOR BACTERIA.
Water separator 1
-950 mbar, 90°C (194 °F) → low boilers

Safety water separator 2
-950 mbar, 133°C (271.4 °F) → pure solvent

Clean solvent back to tank
THESE ARE SOME RECENT INSTALLATIONS IN THE USA, GREAT BRITAIN, SWITZERLAND, GERMANY,
THE PHILIPPINES, INDIA, THE UNITED ARAB EMIRATES, THAILAND, MOZAMBIQUE, SRI LANKA,
THE MALDIVES ETC... WITH PREMIUM LINE, COMET LINE MACHINES & INDUSTRIAL INSTALLATIONS.
Customers | Partner

Worldwide over 6000 satisfied customers rely on BÖWE machines

AIDA CRUISES | P & O CRUISES | LÜRSSEN YACHTS | ROYAL CARIBBEAN CRUISE LINE | HILTON | SHERATON | LAGUNA PHUKET | INTERCONTINENTAL | JEBEL ALI GOLF RESORT | SHANGRI-LA | HYATT | LE MERIDIEN | ROYAL PHUKET | KEMPINSKI | MARRIOT | SKI DUBAI | KINGDOM OF BAHRAIN MINISTRY OF INTERIOR | HERMÈS | EMIRATES AIRLINES | BALAKOVSKYA | NUCLEAR POWER PLANT RUSSIA | REGAL DRY CLEANERS | SPARKLE DRY-CLEANERS | LUFTHANSA | MARC CAIN FASHION CLOTHES | HOHENSTEIN INSTITUTE | etc.

POWERED BY
Solvent Consumption

Lowest solvent consumption on the market. Approx. 0.25% (100 kg garments = 250 g solvent consumption)
### Solvent comparison

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>PERC</th>
<th>HC</th>
<th>Silicone D5</th>
<th>Solvon K4</th>
<th>Intense</th>
<th>HIGLO</th>
<th>Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density (kg/m³)</td>
<td>1.62</td>
<td>0.7-0.8</td>
<td>0.95</td>
<td>0.835</td>
<td>0.80</td>
<td>0.78</td>
<td>1</td>
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<tr>
<td>Boiling point (°C)</td>
<td>121</td>
<td>170-195</td>
<td>210</td>
<td>180.5</td>
<td>183</td>
<td>184</td>
<td>100</td>
</tr>
<tr>
<td>Evaporation heat (kJ/kg)</td>
<td>209.8</td>
<td>265</td>
<td>N/A</td>
<td>246.6</td>
<td>250</td>
<td>250</td>
<td>2257</td>
</tr>
<tr>
<td>Flash point (°C)</td>
<td>not flammable</td>
<td>55-65</td>
<td>77</td>
<td>62</td>
<td>64</td>
<td>62</td>
<td>not flammable</td>
</tr>
<tr>
<td>Explosibility limit</td>
<td>-</td>
<td>0.6</td>
<td>0.7% (LEL)</td>
<td>0.65</td>
<td>23%</td>
<td>0.6%</td>
<td>N/A</td>
</tr>
<tr>
<td>Kauri-Butanol value</td>
<td>90</td>
<td>22-30</td>
<td>13</td>
<td>75</td>
<td>45</td>
<td>43</td>
<td>N/A</td>
</tr>
<tr>
<td>BÖWE machine type</td>
<td>P-series</td>
<td>M-series</td>
<td>M-series</td>
<td>M-series</td>
<td>M-series</td>
<td>M-series</td>
<td>laundry machines, wet cleaning</td>
</tr>
</tbody>
</table>

(no reponsibility is taken for the correctness of this information)
Multisolvent®

MULTISOLVENT® EASY CONVERSION TO OTHER SOLVENTS

By using the parts kit you can convert your BÖWE Premium Line machine from PERC to Multisolvent®.

After the conversion you can use solvents like
⊕ Hydro Carbon (HC)
⊕ Silicone (GreenEarth®), D5
⊕ Solvon (K4)
⊕ HIGLO
⊕ Intense
⊕ GenX
⊕ and more to come

In several countries BÖWE Premium Line machines work with many alternative solvents. By efficient drying, round air duct, dynamic drum perforation and cataphoresic coating a BÖWE M-machine is suited to use solvents lighter than water.

In PremiumLine Multisolvent® machines change to another solvent needs only a software update.
For customers, service technicians and business partners we brought the BÖWE showroom and academy to life. You can visit regularly workshops and education courses.

In our showroom you can try out our different types of BÖWE machines in a real working environment. With many different solvents and digital consumption for water, energy etc..

In our APP you will find all information a professional dry cleaner must know. From technical data to fibres, garments, solvents etc.. You will find a lot of useful and practical things for your daily business. Available for Android and APPLE.
COMET CrossLine

HIGH TECHNOLOGY MEETS LOW CONSUMPTION

Perfection in stainless steel and round shapes. The COMET is a new BÖWE, attractively priced, commercial dry cleaning machine. This new development by BÖWE has managed to combine the high quality standards of BÖWE series of machines with simple and less expensive assembly.

⊕ all components in contact with solvent are made from high quality stainless steel.
⊕ all gaskets are high quality Viton® gaskets.
⊕ COMET P16XP available in SlimLine or CrossLine configuration.

THE RESULT
⊕ low energy consumption
⊕ lower priced BÖWE machine
⊕ robust design BÖWE quality
⊕ available as COMET M and COMET P
⊕ short cycle time
⊕ low maintenance
⊕ solvent saving
FILTER VARIATIONS OF COMETLINE MULTISOLVENT® MACHINES

1. Variant: Cartridge filters
With the cartridge filters the solvent is filtered through high-efficient cartridges. These cartridge filters bind dirt particles and by their special construction they absorb pigments and odorous substances. Depending on the numbers of charges they have a standing time of several weeks and have to be exchanged afterwards.

2. Variant: Spin filters
The CometLine M-machines can also be equipped with spin filters. The dirt of the garment is being collected by the filter discs. They should be washed up with filter powder before so that dirt and odour are being properly filtered. The filter discs are being cleaned with a special program which can be selected any time.
SI70

Loading capacity: 70 kg
Heating: steam
Free programmable
Options: double distillation, self-cleaning button trap etc.

RANGE OF APPLICATION
+ work wear
+ cleaning clothes
+ gloves
+ fur degreasing
+ carpets
+ textile production
+ aviation
+ tannery
+ etc.
Industrial machines

BIGGEST AND LATEST DRY CLEANING MACHINE WORLDWIDE
UNIQUE AND MODULAR
100KG-200KG LOADING CAPACITY

100-200kg loading capacity