

Schulthess Spirit ProLine

## SWISS MADE laundry technology for professional applications



**Washing extractors with 8, 10 and 12 kg load capacity**  
**Dryers with 10 and 15 kg load capacity**

Swiss Made 

Stay selective in your choice



**SCHULTHESS**

# Typical Schulthess qualities: powerful, durable, economical



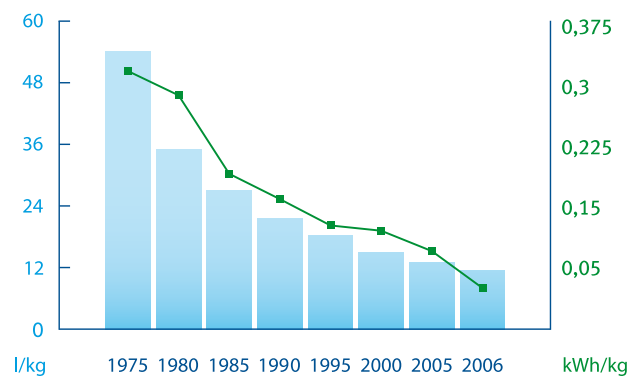
Innovative technology and many years of experience have made us one of the leading providers of washing extractors and dryers. That's why for professional users the name Schulthess is seen as a guarantee of outstanding solutions.

## Quality is the number one objective

A key pillar of our quality strategy is our belief in Switzerland as a development and production location. Since 1917 our machines have been manufactured for the European market in Wolfhausen in the Zurich region – using state-of-the-art production technologies offering maximum reliability – and that's not going to change.

## Impressive economical and ecological features

Schulthess laundry solutions are gentle on laundry and the wallet: offering maximum efficiency and minimum overhead costs. Take into account the lower consumption figures for electricity, water and detergent and you have a winning combination. Our company does of course hold the quality management ISO 9001 and the environmental



management ISO 14001 certifications. Schulthess machines already take the environment into account in the production process.



## Valued across Europe

The established know-how, the constant innovations and the high production competence of Schulthess are not only applied to the company's own machines. Renowned European brands value the SWISS MADE quality seal and have their machines manufactured by us. The cooperation with well-known distribution partners also ensures that wherever customers are based they always receive the competent advice and reliable service that they have come to expect from the name Schulthess.



## Professionals use Schulthess washing solutions

Our washing solutions are tailor-made for environments where there are particularly high demands on the quality and the quantity of the laundry to be handled. These include:

- Old people's homes, nursing homes
- Physiotherapy treatments and medical massages
- Hotels, restaurants, guest houses and halls of residences
- Saunas, sports clubs, fitness and wellness centres
- Laundries and dry cleaners
- Commercial cleaning operations
- Commercial operations such as bakeries, butchers, garages and hairdressing salons
- Horse pensions and stables



The Spirit ProLine washing extractors and dryers are precisely adapted to the requirement profile in these environments. They stand out in areas where there are particularly high demands in terms of wash result, perfect finish, efficiency and optimum overall costs for a laundry solution.

**Leading the way with new wash technologies**

In close cooperation with the leading detergent manufacturers Schulthess is intensively involved with new and special types of fabrics (e.g. modern microfibre fabrics, specialist and work wear) and is developing cleaning processes that are specifically adapted to these (wet-clean, disinfection etc.). This is why the new washing extractors and dryers in the Spirit ProLine range can pass every challenge with flying colours.

**User-friendly professional communication**

Maximum operating convenience is a trademark of all Schulthess machines. This means that a professional machine such as the Spirit ProLine is also easy to operate without any special know-how. Clearly arranged buttons with self-explanatory symbols which relate to the standard fabric care codes guide the user through the programmes.

With the newly-developed machine control system the machines are now even easier to operate. The latest generation of Spirit ProLine machines has a graphic display which helps the user with the programme selection and through all phases of the wash process by providing clear instructions, status information and service tips. And it does all this in 17 languages\*. In this way the Spirit ProLine machines with their easy operation and clear communication features ensure that the operating processes in the laundry run smoothly.



\* German, Italian, French, English, Portuguese, Spanish, Turkish, Rhaeto-Romanic, Serbo-Croat, Russian, Dutch, Swedish, Norwegian, Danish, Finnish, Slovenian and Polish.



# Efficient, economical, user-friendly



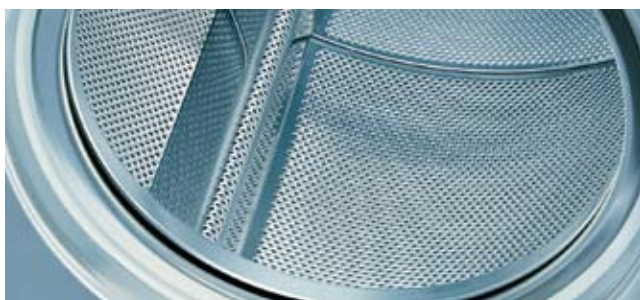
## Very fine holes, maximum efficiency

The gentle drum on the new Spirit ProLine is made of drum is made of 100% high-quality nickel chromium steel and has exceptionally fine holes compared to standard models. Up to 12.627 funnel-shaped perforations increase the performance during all stages of the wash cycle. The drum also has carriers with integrated scoop system. They also help to optimise the hydrodynamic wash process.

This concept guarantees:

- faster wetting of the fabrics
- more intensive changing of washing and rinsing liquor
- an excellent wash and spin result:
- more effective drainage when spinning
- shorter drying times
- optimum laundry care and less creasing
- lower water, detergent and electricity consumption

The very finely perforated washer drum also guarantees optimum rinsing out of detergents and fabric conditioners and thereby prevents skin irritations or allergic reactions.



## Wide metal door

The drum is accessible via a robust, large metal door. It has a diameter of 30 cm and an opening angle of 180°. This means that the Spirit-ProLine machines offer maximum convenience for loading and unloading – even for large laundry items such as duvets, curtains or bed throws.

## Special and professional programmes in series production

As well as finely differentiated basic programmes and practical programme options (prewash, intensive wash, time preselection, temperature reduction etc) the Spirit-ProLine machines offer a whole package of integrated additional programmes.

- Ten programmes can be accessed using the S button: wool, handwash, silk, outerwear, sportswear, curtains, jeans, shirts, spin and impregnating.
- The P button on the 6.5 kg machine offers a further 30 wash programmes for professional users. They are divided into three groups for specific users: “Old people’s/nursing homes”, “Catering/hotel business”, “Commercial operations”.



The range includes programmes for kitchen and table linen, aprons and overdresses, dishcloths, butcher’s linen, bed linen and incontinence laundry, disinfection laundry etc.

## Many useful details

The **detergent is added** conveniently at the top of the machines. There are 4 compartments for prewash and main wash detergent and for liquid detergent and conditioners. In addition, there is an optional connection for up to 8 dosing pumps for liquid detergent. As an alternative to the detergent pump the new Spirit-ProLine washing extractors also have a **drainage valve** for direct connection to a floor drain for heavily soiled laundry. The automatic **time remaining display** constantly shows the amount of time remaining for a particular programme. The **end time selection** is another practical and efficient feature that allows you to set the end of a wash cycle up to 24 hours in advance. This means that you benefit from cheaper night-time electricity rates and better capacity utilisation as you can coordinate the end of the first wash cycle exactly with the start of the work schedule for the following day.

### Powerful and quiet

The powerful performance of the Spirit-ProLine washing extractors is based on a virtually non-wearing, frequency rectified asynchronous motor at the heart of these extraordinary durable machines. The power package with the special gentle operation allows variable speeds that are adjusted to each type of fabric and ensures a drainage effect of up to 50%. The soft bearing and elastic drive belt ensure that the machine runs quietly with low vibrations even at maximum performance. Thanks to high-quality materials and specially developed key components (frequency drive, robust drum bearing, new axial seal with outstanding sliding properties, professional shock absorbers) the Spirit-ProLine machines are virtually non-wearing and with over 20.000 cycles are designed for long-term use. Correspondingly, these washing extractors are equally attractive in terms of economic efficiency.



### Rational organisation thanks to multifunctional interface

With the Spirit ProLine Schulthess is creating the conditions for highly modern, professional and economically organised laundry solutions. An optional multifunctional interface with a series interface (RS 485) functions as an intelligent communication interface:

Up to 20 customer-specific programmes can be stored using Multi Wash Card.

Automatic addition of liquid detergents via dosing pump. Type and amount of detergent can be programmed.



**Spirit ProLine with multifunctional interface**

### Washing extractors SpiritProLine WEI 8080 (8kg) WEI 8100 (10kg), WEI 8120 (12kg)

#### Programmes

A broad range of microprocessor-controlled standard programmes from 20°C to 95°C with short wash times for all standard fabrics and textiles guarantees a high daily washing capacity.

- **Additional functions:** Express programmes at all temperatures, gentle wash, prewash, intensive wash, energy saving, rinse hold, spin speed reduction, end time selection up to 24 hours in advance.
- **10 Special programmes (S button):** wool 30°C, handwash 20°C, silk, outerwear, sportswear, curtains, jeans, shirts, spin and impregnating.
- **30 Professional programmes (P button):** wash programmes for professional users in the following areas: old people's homes, catering/hotel and industrial operations. This includes disinfection programmes for kitchen and table linen, for aprons, bed linen, dishcloths, duvets, incontinence laundry, flour stains, overdresses and much more.

#### Expandability

- **Wash Card System:** with the new Schulthess Multi-Wash-Card you can store up to 20 additional, customer-specific programmes in the washing machines (10 programmes on one Multi-Wash-Card).
- **Programme extensions via IR interface:** up to 20 wash programmes that are programmed for specific goods can be added to the programme range via the optional infra red interface on the Spirit ProLine.
- Liquid detergent connection for controlling up to 8 dosing pumps; dosing hoses can be connected directly to the washing extractor; the type and volume of detergent can be directly programmed via the machine control system.
- Drainage valve (if no floor drain available at the installation location).
- Machine plinth (+30.7 cm).
- Mains blockage set for energy management.



Programme individual, user-specific wash programmes using Schulthess Software and load via the Infrared interface.



Send error messages, Monitor machine status.

# The perfect addition: SpiritProLine dryers



## It takes two to make a good team

The Spirit-ProLine dryers for 10 and 15 kg loads also offer a range of new features. The feature that is immediately noticeable is the new machine control system with the two line graphic display. It follows the same system as on the washing extractors. On the dryers too the communicative graphic display provides totally clear information and maximum user-friendliness. It is also highly efficient. It reduces the energy consumption and results in astonishingly short cycle times for gentle wash programmes. For example, a load is already cupboard dry in 29 minutes. The programme progress and duration is precisely controlled by microprocessors and electronic sensors.

## Convenient operation

For example it comes with a large door with a diameter of 53 cm and an opening angle of 180°. The door hinge can be on the left or right and can be adapted to the conditions at every installation location. There are other practical details such as the end time selection with a real time clock or the improved, robust and generously proportioned fluff filter which makes maintenance even easier.



## High energy efficiency

### thanks to integrated waste heat utilisation

In the Spirit-ProLine dryer the fresh air is partly sucked in through the side walls, pre-heated by the waste heat and heat radiation from the motor, ventilator, drum and exhaust air vents and is also warmed up electrically. This innovative waste heat utilisation system significantly increases efficiency. The heat remains where it is needed: in the dryer.


## Better air conditions within the working environment

The Spirit-ProLine dryers also have an optional central connection for fresh air or pre-heated air. This means that these machines can be combined with waste heat utilisation systems or heat pumps depending on your requirements. This is a significant advantage in economic as well as ecological terms and improves the room air conditions (draughts!) in the laundry as well as increasing the efficiency.

## Overview of other features

- **All-in-one:** suitable for normal washable fabrics and sensitive fabrics from wet-clean processes.
- **Waste heat utilisation:** lower energy consumption, better drying performance, reduced heat radiation.
- **Gentle:** automatic reverse for even laundry drying, cooldown and crease protection.
- **Reliable:** highly reliable and durable thanks to professional construction with robust and maintenance-free central drum bearing without supporting rollers.
- **Quiet and safe:** only 64 db (A); conforms to EU and EC norms with additional safety features: Auto-Stop when door opened, air flow monitoring, overheat protection and emergency off switch.

## Programmes

- A broad range of microprocessor-controlled drying programmes from iron-dry to extra dry for all standard fabrics and textiles.
- 10 Wet-Clean programmes with memory function. 
- Timed programme up to 150 minutes.

## Additional functions

Gentle drying for temperature-sensitive fabrics, easy care drying, memory function for user-defined output moisture for laundry mangling, individual dryness grade adaptation, programme progress and remaining time display as well as signal tone at the end of the programme with variable volume, end time selection up to 24 hrs in advance.

## Options

Door stop on right-hand side; central fresh air connection; Machine plinth (+18 cm); mains blockage set for energy management.

# ProLine Washer extractors and Dryers

Company or brand name	Schulthess	Schulthess	Schulthess
Type of appliance	Washer extractor	Washer extractor	Washer extractor
Type of sales description	<b>Spirit ProLine WEI 8080</b>	<b>Spirit ProLine WEI 8100</b>	<b>Spirit ProLine WEI 8120</b>
Product no. model with drain pump (P)	9645.0P	9646.0P	9647.0P
model with drain valve (V)	9645.0V	9646.0V	9647.0V

## Washer extractor

Load capacity	kg	8	10	12
Drum capacity	dm <sup>3</sup>	80	100	120
Spir speed	max. r.p.m.	1100	1000	800
Factor g	g	375	310	200
Residual moisture*	approx. %	49	53	56
Program duration*	approx. min.	45	46	47

## Electrical Installation

Voltage	V	400 3N~	400 3N~	400 3N~
Connected rating	kW	9.8	9.8	9.8
Electric heating	kW	9	9	9
Motor	kW	0.8	0.8	0.8
Fuses	A	16	16	16
Option:		base	base	base
Voltage (upon request)	V	230 3~	230 3~	230 3~
Fuses	A	25	25	25
Energy consumption per load*	approx. kWh/kg	0.04	0.04	0.04

## Plumbing Installation

Water pressure by the customer	bar	1–10	1–10	1–10
Cold water inlet, hard 3/4"	minimum l/min.	10	10	10
Hot water inlet 3/4" max. 70°C	minimum l/min.	10	10	10
Water consumption	ca. l/kg	11.5	11.5	11.5
Drain throughput	l/min.	32	32	32
Drain line (outer) model with drain pump (P)	Ø mm	22	22	22
model with drain valve (V)	Ø mm	50	50	50

## Details for shipping/planning purposes

Width of machine	mm	776	776	776
Depth of machine	mm	767	919	919
Height of machine (including base option)	mm	1151 (1458)	1151 (1458)	1151 (1458)
Filling height (option: including base)	mm	438 (745)	438 (745)	438 (745)
Filling opening	mm	355	355	355
Weight of machine	kg	195	205	207
Operating weight (incl. water and laundry)	kg	239	260	273
Sol bearing (static)	kg/m <sup>2</sup>	402	365	383
Shipping weight	kg	224	234	236
Packed cubage	m <sup>3</sup>	1.14	1.14	1.14

\* Coloureds 60°C (hot water connection) following EN 60456

Company or brand name	Schulthess	Schulthess
Type of appliance	Dryer	Dryer
Type of sales description	<b>Spirit ProLine TRI 8250</b>	<b>Spirit ProLine TRI 8375</b>
Product no.	9648.0	9649.0

## Professional Dryers

Loading capacity	kg	10	15
Drum capacity	dm <sup>3</sup>	231	347
Program duration (laundry ready to put away/initial moisture 50%)	ca. min.	29	31
Drum diameter	mm	776	776
Drum depth	mm	490	735
Evaporative capacity	l/min.	0.17	0.24
Drying output (initial moisture 50%)	kg/h	20.7	29

## Electrical installation

Voltage	V	400 3N~	400 3N~
Connected rating	kW	15.4	20.2
Electric heating	kW	14.4	19.2
Motors	kW	1	1
Fuses	AT	25	35
Options		Central air connection/base	Central air connection/base
Voltage (upon request)	V	230 3~	230 3~
Fuses	AT	40	60

## Ventilation installation

Exhaust air output	max. m <sup>3</sup> /h	900	1100
Installed line resistance	max. Pa	200	200
Exhaust air connection	Ø mm	200	200

## Details for shipping/planning purposes

Width of machine	mm	842	842
Depth of machine	mm	793	1038
Height of machine (option: including base)	mm	1460 (1640)	1460 (1640)
Filling height (option: including base)	mm	580 (760)	580 (760)
Filling opening	Ø mm	530	530
Weight of machine	kg	200	220
Operating weight (incl. laundry)	kg	216	244
Sol bearing (static)	kg/m <sup>2</sup>	324	279
Shipping weight	kg	224	246
Packed cubage	m <sup>3</sup>	1.23	1.58



## Always available

Schulthess is not only there to supply you with innovative washing extractors and dryers. Together with our distribution and service partners throughout Europe we support our customers by providing modular services and service offers that are tailored to individual customer requirements. We are available at all times to ensure the reliability and outstanding technical and economic efficiency of your laundry operation.



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