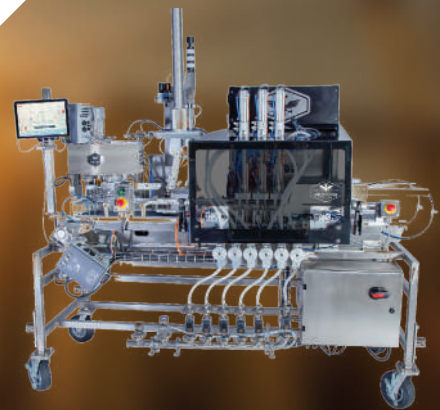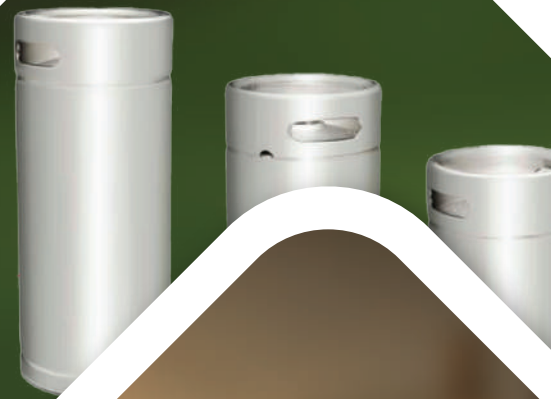# LUMIERE

This is the Beginning

Lumiere Technologies Pvt Ltd

Better Packaging, Better Impact

Food & Beverage, Breweries, IMFL & Distilleries, Craft Beer Packaging Line, Beer Dispenser

ENHANCE O_2 AND CO_2 MANAGEMENT WITH OUR WIDE RANGE OF QUALITY CONTROL EQUIPMENT

O_2 AND CO_2 MEASUREMENT

O_2 Gehaltemeter, type o-DGM
Determines the dissolved oxygen (DO) content, the O_2 content in gases and the TPO in a package (Uhlig method).

CO_2/O_2 Gehaltemeter, type c-DGM
Measures the dissolved CO_2 content, DO content, O_2 content in gases and the TPO in a package (Uhlig method).

CO_2 Gehaltemeter
Determines the dissolved CO_2 content and comes in different executions to meet the requirements of your application:
• Intelligent CO_2 Gehaltemeter, type i-DGM
• Analog CO_2 Gehaltemeter, type GMT

Inpack TPO Meter, type TPO
Automatically determines the total O_2 content by measuring the DO and the headspace O_2 content of the packaged product in a single measurement.

Inpack TPO/CO_2 Meter, type c-TPO
Determines the DO, headspace O_2 and total O_2 content of the packaged product. In addition, the c-TPO measures CO_2.

Inpack TPO/CO2Meter, type c-TPO Selective
The automatic Inpack TPO/CO2Meter, type c-TPO Selective, offers Selective CO2Measurement using Henry's Law in combination with optical technology.

Automator
Automatically measures all relevant quality parameters directly in the filled package in a single measurement cycle. In addition to the basic parameters O_2 and CO_2, the system can be extended for further analysis to meet customer requirements.

Inpack 2000 CO_2 Device
Manually determines the dissolved CO_2 content in carbonated beverages filled in bottles or cans and comes in different executions:
• Inpack 2000 CO_2 Calculator, type ICC
• Inpack 2000 CO_2 Meter Digital, type ICD

Inpack 2000 Air Meter, type IAM
Determines the air content in the headspace and the total air content of the package.

CO_2-Selector
For non-invasive CO_2 measurement in the filled package. Measures the headspace CO_2 content and internal pressure, and accurately determines the dissolved CO_2 content in the package. Piercing is not required to perform the measurement.

FOAM MEASUREMENT

Nibem Foam Stability Tester, type Nibem-TPH
Measures the foam collapsing time.

Inpack 2000 Sampling Device, type ISD & ISD 2.0
For sampling from bottles or cans. Samples can be supplied to various measuring devices for analysis purposes.

Sample Bottle Filler, type SBF
For sampling beverages from tanks, pipes or kegs without air intake.

Inpack 2000 Flasher Head, type IFH
A flashing device for the creation of reproducible foam for the Nibem foam quality analysis, to be used in combination with the ISD or SBF.

TURBIDITY MEASUREMENT

Turbidity Meter, type Vos Rota 2.0
An easy-to-use and reliable instrument to measure turbidity during production and after filling. It has a measuring range of up to 500 EBC/34,600 ASBC, which makes the instrument suitable for a wide range of beer types, including very turbid beers.

c-DGM

CO_2-Selector

Automator

Nibem-TPH

MONITORING OF PROCESSES

PASTEURIZATION

Redpost PU Monitor
Monitors the pasteurization process of beer and beverages as it travels through the pasteurizer tunnel. PU's are automatically calculated and displayed. Available in three executions:

• Type RPU-353
• Type RPU-352
• Type RPU-351

Redpost Charger/Interface
Charges PU Monitor and enables data transfer from the Monitor to a PC or printer and comes in two executions:

• Type RPC-80, compatible with all Redpost PU Monitors

• Type RPC-50, compatible with PU Monitors type RPU-120+, RPU-351/352/353

BOTTLE & KEG WASHING

Bottle Monitor, type BTM
Evaluates the washing process in each compartment of the bottle washer, based on the time, temperature and conductivity of the cleaning medium.

Keg Monitor, type KEG 2.0
Perfect control of your keg washing process. Faster and better process insights due to windows-based PC-program.

TOTAL LAB SOLUTION (TLS)

Complete, customized laboratories for quality analysis throughout the entire production process. Depending on the requirements, a Total Lab covers everything from concept to commissioning to after sales service.

IN-LINE EQUIPMENT

O_2 & CO_2 MEASUREMENT

In-line quality assurance and product monitoring is critical during the production process.

In-line CO_2 Meter AuCoMet-i
Determines the dissolved CO_2 content based on Henry's Law. Can easily be extended with an O_2 sensor, due to its modular design.

In-line O_2 Gehaltemeter, type OGM
Determines the DO content based on optical O_2 measurement.

In-line O_2 Gehaltemeter, type OGM gas application
Determines the O_2 content of CO_2 gas from the fermentation, compressed gases and/or ultra pure gases, which makes it especially suitable for use in CO_2 recovery plants.

TURBIDITY MEASUREMENT

In-line Turbidity Meter, type OptHaze-i
Determines the turbidity of beer and beverages according to the MEBAK standard.

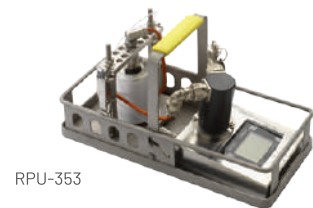## VARIOUS EQUIPMENT

Dew Point Tester, type DPT
Measures the condensation temperature of humidity present in CO_2 or other gases.

Gauge Calibration Device, type GCD
Precisely calibrates pressure gauges and digital pressure sensors.

CO_2 Purity Tester, type CPT
Measures the purity of the CO_2 gas and is available in the measuring ranges 50 - 100 % v/v and 99 - 100 % v/v.

RPU-353

KEG 2.0

Bottle Monitor

AuCoMet-i

AEG Kegs—the global choice for premium stainless steel kegs. Engineered to preserve flavor and freshness in beer, wine, cider, and beverages, delivering excellence from production to pour

CODICE CODE CODE CODE	CAPACITÀ CAPACITY INHALT CAPACITÉ	ALTEZZA TOTALE (mm) TOTAL HEIGHT MAX. HÖHE HAUTEUR TOTALE	DIAMETRO MAX. ESTERNO (mm) OUTSIDE DIAMETER AUSSENDURCHMESSER DIAMÈTRE EXTÉRIEUR	H2 (mm)	H3 (mm)	PESO (g) WEIGHT GEWICHT POIDS
1015	20 L vino	560	239	26	494	4300

CODICE CODE CODE CODE	CAPACITÀ CAPACITY INHALT CAPACITÉ	ALTEZZA TOTALE (mm) TOTAL HEIGHT MAX. HÖHE HAUTEUR TOTALE	DIAMETRO MAX. ESTERNO (mm) OUTSIDE DIAMETER AUSSENDURCHMESSER DIAMÈTRE EXTÉRIEUR	H2 (mm)	H3 (mm)	PESO (g) WEIGHT GEWICHT POIDS
040032	20 l vino	374	320	14	315	6000
040031	20 l birra	379	320	14	320	6050
040029	25 l	441	320	14	380	6450
040028	30 l	506	320	14	448,5	6850

CODICE CODE CODE CODE	CAPACITÀ CAPACITY INHALT CAPACITÉ	ALTEZZA TOTALE (mm) TOTAL HEIGHT MAX. HÖHE HAUTEUR TOTALE	DIAMETRO MAX. ESTERNO (mm) OUTSIDE DIAMETER AUSSENDURCHMESSER DIAMÈTRE EXTÉRIEUR	H2 (mm)	H3 (mm)	PESO (g) WEIGHT GEWICHT POIDS
1020-B2S	10,4 l	338	239	26	372	3300
1018-B2S	15,4 l	451	239	26	387	3750
1022	20 l	560	239	26	494	4300
1016-B2S	20,4	568	239	26	502	4400

CODICE CODE CODE CODE	CAPACITÀ CAPACITY INHALT CAPACITÉ	ALTEZZA TOTALE (mm) TOTAL HEIGHT MAX. HÖHE HAUTEUR TOTALE	DIAMETRO MAX. ESTERNO (mm) OUTSIDE DIAMETER AUSSENDURCHMESSER DIAMÈTRE EXTÉRIEUR	H2 (mm)	H3 (mm)	PESO (g) WEIGHT GEWICHT POIDS
040800	10 l	338	237	28	272	3900
040700	15 l	452	237	28	386	4650
040650	20 l	568	237	28	501	5500

| CODICE CODE CODE CODE	CAPACITÀ CAPACITY INHALT CAPACITÉ	ALTEZZA TOTALE (mm) TOTAL HEIGHT MAX. HÖHE HAUTEUR TOTALE	DIAMETRO MAX. ESTERNO - D1 (mm) OUTSIDE DIAMETER AUSSENDURCHMESSER DIAMÈTRE EXTÉRIEUR	H2 (mm)	H3 (mm)	PESO (g) WEIGHT GEWICHT POIDS
040900	1/6 barrel	590	233,5	8	539	5400

The burst disc is a safety device, which opens automatically by internal overpressure. As AEB standard, every Keg is equipped with a burst disc at the keg body.

Burst disc opens at 40 bar +/- 10 bar (580 psi +/- 145 psi)

LAB FURNITURE & EQUIPMENT

- Design of the laboratory
- Determination of the laboratory requirement
- Quality control equipments
  - Dry lab equipment
  - Micro lab equipments
  - Wet lab equipment
- Furniture
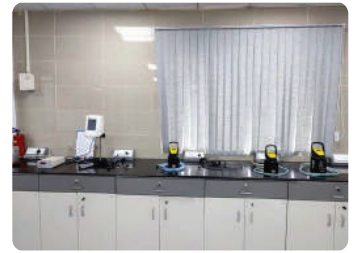
COMPANY

In 1992, Miloš Lindr established a production and service company in the field of dispensing and cooling systems. Thanks to several years of hard work and because of meeting its customer's requirements, a small family business grew quickly into the Lindr company, a leading Czech manufacturer of dispensing systems. Also nowadays, with the company offering interesting jobs to more than one hundred people, and having its own complete production program, Lindr still proclaims the visions of a family business, built with purely Czech capital.

DESIGN

Since the beginning, Lindr has been going its own way with original products, technology and unique design. Using high quality stainless steel in combination with natural hardwood leads to entirely original and ageless design.

QUALITY

Lindr is aware of the quality of Czech beer and of the beer culture. In order to be proud of this world top position, and to increase this quality with our products, Lindr has been using only certified materials and raw materials meeting the strictest demands for the hygiene and CE standards, which guarantee high quality,reliability, long working life and ageless design.

INNOVATIONS

Both ideas and innovations of Lindr have been highly successful on the Czech, European and world markets. Lindr's development and innovations always includes the requirements and experience of its customers, and the company keeps the best ratio of performance / quality / ease of use / design / price.

Every year the company enriches the market with entirely original innovations. At present, Lindr has the widest range of dry beer coolers and machines with the smallest dimensions as for the given performance on the European market. The whole range has over 400 versions and countless modified and personalised options.

DISPENSE TOWERS LINDR

A varied range of dispense towers designed for pouring beer and connection with undercounter beer coolers. These towers differ not only in design, but also in the number of taps.
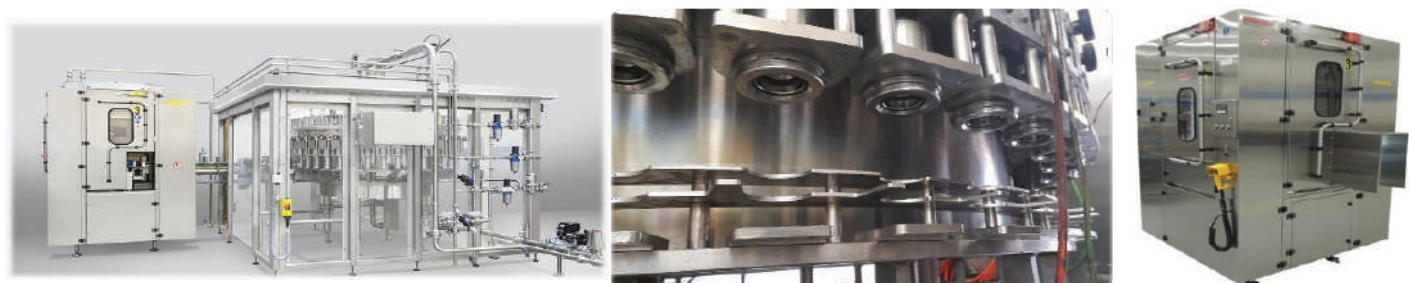
Lindr
CZ
- 1992 - A LEADING CZECH MANUFACTURER OF COOLING AND DISPENSING EQUIPMENT

ANTIQUE BEER TOWERS & TAPS

Combi FP & KWF

DAW

Bottling & Canning

Palletizer & Depalletizer
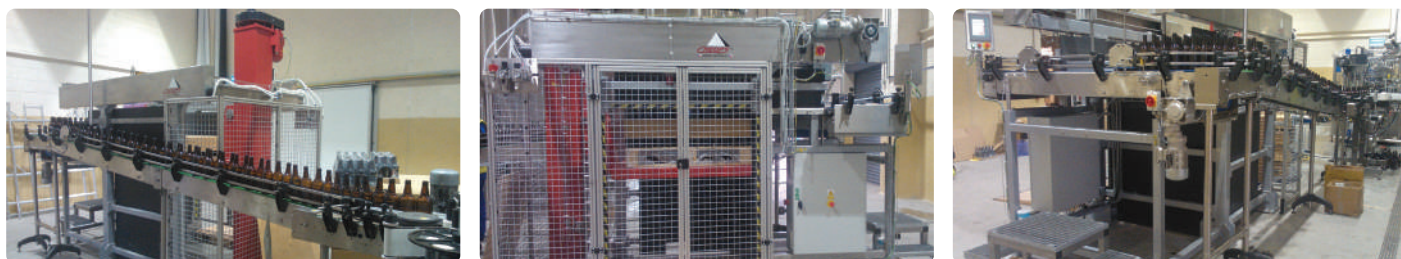
Case Packer

Shrink Wrapper

Sleeve Applicator

Wrap Around Labeller

Turner Table

Hologram Applicator

Shrink Tunnel

Belt Conveyor

Slate Conveyor

Cartton Sealer

Air knife dryer

Batch Coder

Can Rinser Twister

Tunnel Pasteuriser

Bottle Labeller

Block Turner
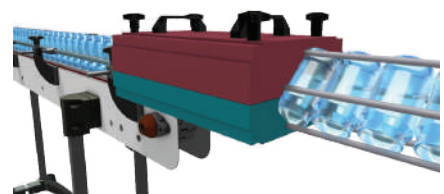
Pipeline Purple Professional Beer Line Cleaning Powder

Powder version of our concentrated classic original alkaline beer line cleaner with built-in solution status indicator and bactericides for quick and efficient application and long-lasting effect. It contains no caustic soda **and is suitable for use on all beverage dispense equipment.** Pipeline Purple Professional Beer Line Cleaning Powder reduces carbon footprint and use of plastic packaging as well as reduces shipping costs. It is safe to use on all types of line materials, pipes, meters, pumps, beer engines, taps and fittings if used in the prescribed manner.

PRODUCT SPECIFICATION	
Name:	Pipeline Purple Professional Beer Line Cleaning Powder
Product Code:	D-PPPBLCP0.1K
Product Size	100 g
Packing Quantity	100
Packing Size (L x H x D cm)	32.5 cm x 22 cm x 25 cm
Shipping Weight (kg)	11.2 kg
Shipping Volume (m³)	0.018 m³

This product is available in other sizes

How to use

Dilution Rate: Each sachet contains a pre-measured amount producing 10 litres of cleaning solution to be used for regular cleaning regimes. It is extremely effective on dispense systems that may be severely soiled or have been neglected.

Cleaning: Switch off coolers. Use a pre-measured sachet(s) of Pipeline Purple Professional Beer Line Cleaning Powder for the correct dilution. Make up the cleaning solution in a plastic or stainless-steel container or cleaning vessel with cold or warm water (<40°C). IMPORTANT Pre-fill the cleaning vessel with a minimum of 1 litre of water per 100 g sachet, keep the water flowing and gently sprinkle in the powder. Once the powder has completely dissolved, pump solution through the dispense head into a white plastic receptacle such as a Pipeline Bucket until emergent solution is purple. Soak for a minimum of 10 minutes then draw a full line of the discoloured fluid until purple colour is evident. Repeat the process until purple colouration is stable throughout the dispense system.

Rinsing: Pump fresh cold water through to disperse all the purple fluid followed by a further litre of water. Verify the purity of this water using Pipeline Rinse Water Test Papers: Dip paper under the running water. If there is a trace of Pipeline Purple Professional Beer Line Cleaning Powder in the water, the test paper will turn purple. If the paper stays pink no cleaning solution remains and rinsing is complete. Switch coolers back on. Reconnect the dispense product.

Pipeline Purple Professional Beer Line Cleaning Powder - UN3262 CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.

DANGER – Harmful if swallowed. Causes severe skin burns and eye damage. May cause respiratory irritation

PRECAUTIONS – Keep out of reach of children. Do NOT breathe dust. Wear protective gloves/protective clothing/eye protection/face protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Get immediate medical advice/attention.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get immediate medical advice/attention.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation occurs: Get medical advice/attention. If medical advice is needed, have product container or label at hand.
If skin irritation occurs: Get medical advice/attention. If medical advice is needed, have product container or label at hand.

Contains: Sodium Carbonate, Potassium Hydroxide, Potassium Permanganate

Scan for
Safety Data

- **Professional strength**
- **Changes colour when the line is dirty**
- **No Caustic Soda**
- **Reduces shipping costs**
- **Reduces carbon footprint and use of plastic packaging**
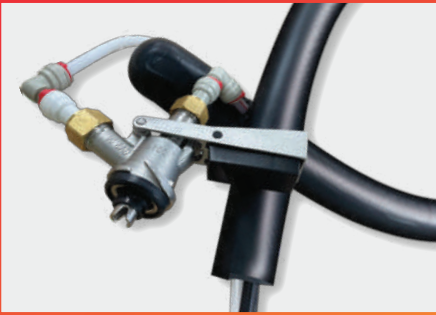
Wear eye protection

Wear hand protection

Use Pipeline test papers to ensure water purity
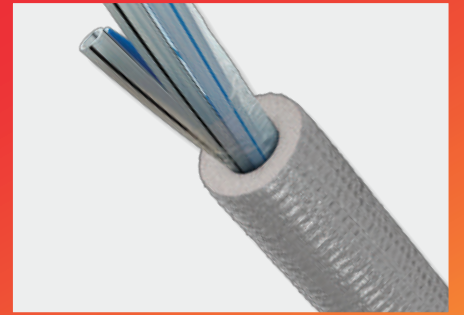
Store in a cool and dry environment

**BEVERAGE PYTHON
KEG DROP LINE**

**BEVERAGE RHINO
PYTHON**

**BEVERAGE EVENTS
PYTHON**

**BEVERAGE MINI-LOOMS,
TRACE COOLING &
PREFORMED TUBING**
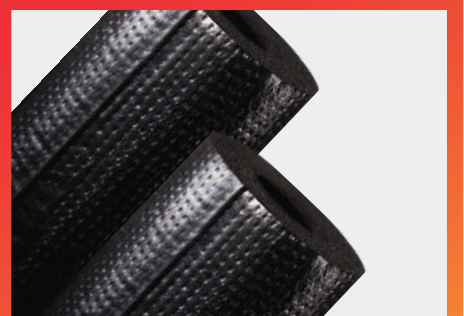

**BEVERAGE TUBE
RANGE**
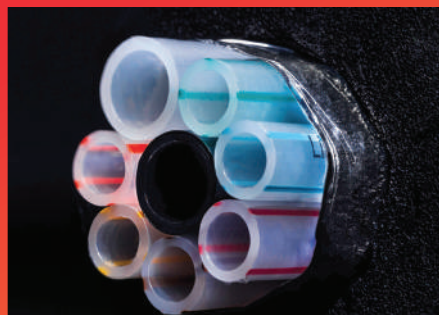

**BEVERAGE PASSIVE
FIRE PRODUCTS**

PYTHON CUTTERS

**TUBE IN TUBE
PYTHON**

TITAN

ST

PYTHON TUBES

**BEVERAGE FLOODED
PYTHON**

Our Channel Partners