



Indústria Brasileira de Homogeneizadores

# CATALOG

High-performance homogenization solutions for industry.



Manufacturing • Refurbishment • Rental • Technical Assistance • Parts



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# TYPE OF APPLICATIONS

## FOOD AREA



- PEANUT BUTTER
- AIR FRESHENERS
- POULTRY BROTHS
- INSTANT COFFEE
- MEAT BROTHS AND EXTRACTS
- CASEINATES
- CHOCOLATES
- CONFECTIONERY
- COOKING CREAMS
- FRUITS (CONCENTRATES, PULP, JUICES)
- GELATINS
- GUM ARABIC
- FATS (ANIMAL AND VEGETABLE)
- VEGETABLE EXTRACTS
- SOY MILK
- YEASTS
- LIQUEURS
- MARGARINE
- HONEY
- OILS (ESSENTIAL AND VEGETABLE)
- EGGS

## DAIRY PRODUCTS



- DAIRY DRINKS
- CREAM
- YOGURTS WITH ADDITIVES
- PLAIN YOGURTS
- CHOCOLATE DRINK
- ACIDIFIED
- CURDLED
- CONDENSED
- STERILIZED MILK
- MILK WITH ADDITIVES
- HUMANIZED MILK
- INSTANT MILK
- PASTEURIZED MILK
- RECONSTITUTED MILK
- UHT MILK
- BUTTER OIL
- MILK PROTEIN
- PUDDINGS
- CREAMY CHEESES
- RICOTTA
- WHEY
- CREAM CHEESE

## ICE CREAM INDUSTRY



- ICE CREAM
- SYRUPS
- COATINGS
- AÇAÍ

## COSMETICS



- COLOGNE
- FOUNDATION
- HAIR CONDITIONER
- CREAMS: SHAVING, ANTI-WRINKLE
- CREAMS: MOISTURIZERS, TANNING LOTIONS
- EYE CREAMS
- TOOTHPASTE
- DEODORANTS
- LIPSTICK BASES
- NAIL POLISH
- SHOWER GEL
- AFTERSHAVE LOTIONS
- LIPSTICK PASTES
- BODY OILS
- PERFUMES
- MAKEUP REMOVER
- CREAM SOAPS
- SHAMPOOS
- EYESHADOW
- SUSPENSIONS FOR MASKS AND LIPS
- HAIR TONICS

## PHARMACEUTICAL



- ANTACIDS
- ANTIBIOTICS
- VITAMIN COMPLEXES
- CREAMS
- BACTERIAL CULTURES
- INTRAVENOUS EMULSIONS
- OINTMENTS
- PROTEINS
- COATINGS FOR TABLETS
- LIPOSOMAL SUSPENSIONS
- DYES
- OINTMENTS
- SYRUPS
- EYE DROPS

## BIOTECHNOLOGY



- CELL DISRUPTION (BACTERIA AND YEAST)
- PROTEIN AND ENZYME EXTRACTION
- VACCINE AND ANTIGEN PRODUCTION
- FORMULATION OF BIOPHARMACEUTICALS
- NANOEMULSIONS AND LIPOSOMES
- FERMENTATION AND PRODUCT RECOVERY

## CHEMICAL AND PETROCHEMICAL



- ADHESIVES
- MINERAL OIL EMULSIONS
- PARAFFIN EMULSIONS
- GREASES
- LUBRICANTS

# HOMOGENIZERS

From pilot-scale processes to large-scale production, homogenizers play an essential role in modern industry. Responsible for ensuring the uniformity, stability, and quality of products, these devices directly impact the efficiency of production processes.

With advanced technology and high performance, homogenizers are indispensable in applications requiring particle reduction, emulsification, and standardization, meeting the most stringent industrial demands.

APLAB 10 TO 30 L/H - FOR LABORATORY



1.

APL-100 A 3000 L/H



2.

APL-4.000 A 8.000 L/H



3.

APL-10.000 A 30.000 L/H



4.

## EQUIPMENT OPERATES AT VARYING PRESSURES

### OPTIONAL

- HEAT EXCHANGER
- FEED PUMP, CENTRIFUGAL OR HELICAL.
- HIGH PRESSURE SAFETY SYSTEM
- PRODUCT OUTAGE SECURITY SYSTEM
- FREQUENCY INVERTER

# HIGH PRESSURE PUMPS

IBH High Pressure Pumps play a fundamental role in drying processes, especially in applications such as spray drying, where pressure and flow stability are crucial for the final product quality.

They ensure a continuous and controlled supply of the product to the atomization system.



# DEAERATOR

The presence of trapped air is one of the main causes of instability, oxidation, batch variation, and loss of industrial yield.

IBH Deaerators work directly to remove these gases, providing a more stable, safe, and efficient process. By eliminating air, they ensure better homogenization performance, greater uniformity, and increased final product quality.



# SKID

Integrated, ready-to-operate solutions. IBH Skid Systems bring together, on a single platform, all the elements necessary for the process: homogenizers, feed pumps, agitated tanks, piping, and electrical system.

Custom-designed, they ensure complete integration, standardization of the installation, and greater operational control, reducing process variables.



# PARTS



**GASKETS  
MANUFACTURED IN  
IBH.**



**COMPLETE VALVE  
BLOCK**



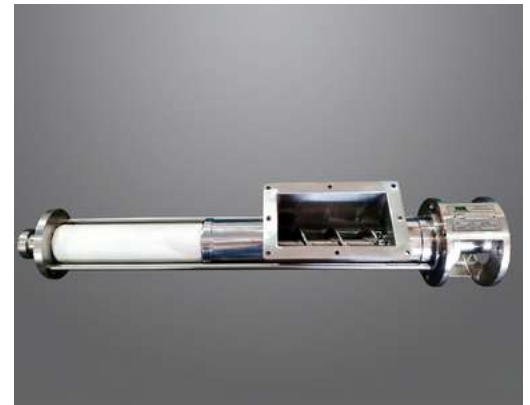
**DRIVE BOX**



**POPPET-TYPE VALVE**



**CRANKSHAFT AND  
CONNECTING RODS**



**HELICAL PUMP**



**SINTERED HARD METAL  
HOMOGENIZATION  
ASSEMBLY**



**SET OF PARTS FOR  
HOMOGENIZERS IN HARD  
AND STELLITE MATERIAL.**



**VALVE, SEAT AND  
IMPACT RING  
ASSEMBLY**

# PARTS



**STELLITE  
HOMOGENIZATION  
UNIT**



**PRESSURE  
ADJUSTMENT  
SPRING**



**SUCTION AND  
DISCHARGE VALVE  
CAGES**



**HEXAGONAL  
PISTONS IN  
CHROME OR  
CARBIDE**



**MUSHROOM AND  
POPPET TYPE VALVES  
AND SEATS**



**SPACERS AND  
BUSHINGS FOR  
GASKET  
ADJUSTMENTS**



**BUSHINGS AND  
SLEEVES FOR  
PUMPING  
PISTONS**



**CENTRIFUGAL  
PUMP**



**HOMOGENIZATION  
ASSEMBLY**



**PRESSURE GAUGES  
FOR HOMOGENIZERS  
AND HIGH-PRESSURE  
PUMPS.**



**SET OF CERAMIC  
PIECES**



**HYDRAULIC UNIT**

# REFURBISHMENT

IBH Artepeças provides technical assistance, modernization, and complete refurbishment of domestic and imported industrial homogenizers, regardless of the brand or model.

With accumulated know-how, our engineering and technical team is qualified to diagnose, repair, and optimize equipment with a high level of precision.

REFURBISHED MACHINE



REFURBISHED MACHINE



## EXTENDING THE LIFESPAN OF YOUR EQUIPMENT

SENT FOR REFURBISHMENT



REFURBISHED



SENT FOR REFURBISHMENT



REFURBISHED



### Our services include:

- General overhaul of homogenizers
- Component recovery
- Replacement of wear parts
- Technical updates and performance improvements
- On-site technical assistance
- Supply of parts for various brands.



*Brazilian Homogenizer Industry*

## ABOUT US

IBH Artepeças is the largest Brazilian manufacturer of homogenizers, with 32 years of experience. Founded in 1994, it stands out for its national leadership, international presence, and commitment to innovation, quality, and safety. Focusing on cutting-edge technology, the company constantly invests in research and development, offering high-performance equipment. More than just products, IBH values long-lasting partnerships, guaranteeing technical support and excellent customer service.

IBH - LEADER IN HOMOGENIZERS AND WE ARE IN THE PROCESS OF EXPANDING OUR FACTORY.

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