

# TECHNICAL DATA SHEET

## Nitrogen Gas Charging Kit — Hydraulic Breaker Accumulators

MERIT Construction Machinery  
Industry LLC

### 1. PRODUCT OVERVIEW

<b>Manufacturer</b>	MERIT Construction Machinery Industry LLC
<b>Product Name</b>	Professional Nitrogen Gas Charging Kit for Hydraulic Breaker Accumulators
<b>Product Type</b>	Hydraulic Breaker Maintenance Tool
<b>Compatible With</b>	Epiroc · Atlas Copco · Krupp · Chicago Pneumatic (CP)
<b>Pressure Range</b>	0 – 400 bar (gauge)
<b>Quality Standard</b>	OEM-grade components — verified tolerances
<b>Application</b>	Field & workshop use — accumulator nitrogen charging & pressure measurement
<b>Availability</b>	In Stock — Ready to Ship
<b>Origin</b>	Turkiye

### 2. PRODUCT DESCRIPTION

The MERIT Professional Nitrogen Gas Charging Kit is engineered specifically for measuring and recharging nitrogen gas pressure in the accumulators of Epiroc, Atlas Copco, Krupp, and Chicago Pneumatic (CP) hydraulic breakers. Correct accumulator nitrogen pressure is critical to breaker performance — an undercharged or overcharged accumulator directly affects impact energy, cycle rate, and the service life of internal components.

Built to high-pressure specifications, this kit provides service technicians with a reliable, portable, and accurate solution for both field maintenance and workshop servicing — eliminating the need for improvised or brand-specific tools across multiple breaker families.

### 3. COMPATIBILITY

Brand	Compatible Series / Models
<b>Epiroc</b>	SB series · HB series · MB series
<b>Atlas Copco</b>	SB series · HB series
<b>Krupp</b>	HM series
<b>Chicago Pneumatic (CP)</b>	CP series hydraulic breakers

### 4. KIT CONTENTS & TECHNICAL SPECIFICATIONS

Component	Specification	Note
High-Pressure Gauge	0 – 400 bar	Precise accumulator pressure reading

Charging Hose	Heavy-duty construction	Quick-connect fittings both ends
Control Valve	T-bar type	Easy gas flow regulation & shutoff
Adapters	Dedicated set included	Epiroc · Krupp · CP · Atlas Copco ports
Safety Fittings	Quick-connect type	Blue colour-coded, leak-free connection
Pressure Rating	High-pressure rated	Safe for nitrogen charging operations
Portability	Compact kit format	Suitable for field & workshop use

## 5. KEY FEATURES

- ✓ Specifically designed for Epiroc, Krupp, CP & Atlas Copco hydraulic breakers — no improvisation required
- ✓ High-pressure rated throughout — all components safe for nitrogen charging operations up to 400 bar
- ✓ Quick-connect blue safety fittings ensure secure, leak-free connections every time
- ✓ Dedicated adapter set covers charging port variations across all four compatible breaker families
- ✓ Compact and lightweight — ideal for service vans, field maintenance teams, and workshop bays
- ✓ OEM-grade quality with verified tolerances — supplied by MERIT, trusted since 2005
- ✓ Reduces accumulator-related downtime with fast, accurate pressure verification and recharging

## 6. WHY CORRECT ACCUMULATOR NITROGEN PRESSURE MATTERS

<b>Undercharged accumulator</b>	Reduced impact energy · lower blow frequency · increased wear on percussion components
<b>Overcharged accumulator</b>	Risk of membrane failure · irregular piston movement · premature component fatigue
<b>Correct pressure</b>	Maximum impact efficiency · consistent blow rate · optimal component service life

## 7. USAGE GUIDE

<b>Step 1</b>	Ensure the hydraulic breaker is depressurised and safe to service before beginning.
<b>Step 2</b>	Select the correct adapter for your breaker brand and attach securely to the accumulator charging port.
<b>Step 3</b>	Connect the charging hose to the adapter and to the nitrogen supply cylinder.
<b>Step 4</b>	Open the T-bar control valve slowly and read the current accumulator pressure on the gauge.
<b>Step 5</b>	Adjust nitrogen pressure to the manufacturer's specified level for your breaker model.
<b>Step 6</b>	Close the T-bar valve, disconnect the hose, and re-seal the charging port.
<b>Step 7</b>	Verify final pressure reading and document in your maintenance log.

## 8. LOGISTICS & SHIPPING

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<b>Air Freight</b>	GCC & Europe — 24 to 72 hours
<b>Sea Freight</b>	FCL / LCL via Mersin, Istanbul, Izmir
<b>Road Freight</b>	Iraq, Iran, Georgia, Bulgaria, Russia, Ukraine, Syria & beyond
<b>Courier</b>	DHL · FedEx · Turkish Cargo for urgent orders

## 9. CONTACT & ORDERING

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