

Гидравлические сравнительные калибровочные насосы (ВТ 400 / ВТ 800)

Технические характеристики

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Pompe idrauliche di taratura a confronto

Hydraulic comparison calibration pumps

Le pompe della serie BT consentono di generare pressioni idrauliche sino a 800Bar per tarature di confronto di manometri, pressostati e trasduttori con strumenti campione. La loro compattezza e robustezza ne favorisce l'impiego sia in officina strumenti, che in campo. I prototipi hanno subito collaudi a fatica sino a 15.000 manovre alla massima pressione. Per un impiego immediato sono state semplificate al massimo l'installazione e la manutenzione, inoltre l'ultima versione prevede una serie di ricambi contenuti in un pratico astuccio e la chiave fissa per il bloccaggio dei raccordi. Due incavi laterali ne favoriscono il trasporto mentre il fissaggio può essere effettuato mediante i fori sul fondo oppure con i piedini di dotazione.

BT series pumps can generate hydraulic pressures up to 800Bar for comparative calibrations of pressure gauges and transducers against standard instruments. Due to their compactness and robustness they are suitable for use in workshop instruments and in the field. The prototypes have been fatigue tested up to 15.000 working cycles at maximum pressure. Installation and maintenance have been simplified as much as possible so that the pumps can be used immediately. The last version has a series of spare parts in a practical case and fixed key to lock the connections. Two lateral notches assist transport and the pumps can be fixed by the holes on the bottom or by the feet supplied.

CARATTERISTICHE TECNICHE GENERALI COMUNI AD ENTRAMBI I MODELLI

Campo operativo: BT 400: 0 ÷ 400 Bar
BT 800: 0 ÷ 800 Bar

Applicazioni: Collaudo e taratura di manometri e trasduttori di pressione in genere, in abbinamento con strumenti campione di riferimento

- Carpenteria in lamiera da 2 mm con due incavi laterali per favorirne il trasporto
- Possibilità di sistemazione sul piano di lavoro con 4 piedini regolabili oppure fissa tramite fori sul fondo
- Corpo di alta pressione realizzato di pezzo con una barra di ottone.
- Vite trapezoidale e madrevite in bronzo con supporto inox
- Volantino a tre razze inclinate verso l'operatore
- Prese per manometri da 1/2" Gas con dado girevole e tenuta a OR
- Serbatoio incassato in inox con valvola di testa a volantino
- Liquido idraulico impiegabile: acqua e olio.

BT400

CARATTERISTICHE TECNICHE

Campo d'impiego: da 0 a 400 Bar (0 ÷ 5000 psi)

Possibilità d'impiego: in depressione per quanto consentito dal volume di aspirazione

Capacità totale: 73 cm³

Cilindro: di acciaio a elevata resistenza con riporto in cromo a spessore

Pistone: in acciaio inox con guarnizioni in buna, anello antiestrusione in teflon e guida in resina acetilica

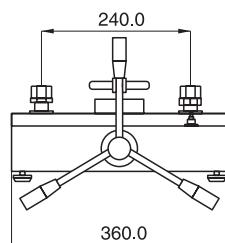
Corsa totale della vite: 160 mm

Sforzo di azionamento a 50 Bar: 1 Kgm

Pressione di collaudo: 600 Bar

Dimensioni: 450 x 360 x 300 mm

Peso: 14 Kg.



TECHNICAL CHARACTERISTICS COMMON TO BOTH MODELS

Operative range: BT 400: 0 ÷ 400 Bar.
BT 800: 0 ÷ 800 Bar

Applications: The testing and calibration of manometers and transducers in general, used in combination with standard reference instruments

- Structure in 2mm thick metal sheets designed to simplify carrying
- The pumps made be fitted onto a work bench by means of their 4 adjustable feet or they may be attached to a surface by means of the holes on the base
- High pressure unit made in one piece with a brass rod
- Bronze trapezoidal screws and nut screws with stainless steel bearing
- Triple-spoke hand-wheel tilted towards operator
- Sockets for 1/2" Gas manometers with rotating screw nut and OR seal
- Stainless steel built-in tank with hand-wheel operated head valve
- Hydraulic liquid used: water and oil.

TECHNICAL CHARACTERISTICS

Range of use: from 0 to 400 Bar (0 ÷ 5000 psi)

It may be used: in vacuum within the limits established by the suction volume

Total capacity: 73 cm³

Cylinder: steel with high resistance and with thick chrome coating

Stainless steel piston: with Buna gaskets, teflon anti-extrusion ring and guide in acetate resin

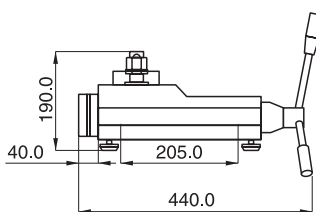
Total screw stroke: 160 mm

Operative stress at 50 Bar: 1 Kgm

Test pressure: 600 Bar

Dimensions: 450 x 360 x 300 mm

Weight: 14 Kg.



BT800

CARATTERISTICHE TECNICHE

Campo d'impiego: da 0 a 800 Bar (0 ÷ 11000 psi)

Valvola a spillo: d'intercettazione per la precarica del circuito

Capacità totale: 30 cm³

Pistone: a stelo tuffante e corpo alta pressione realizzati in acciaio inox

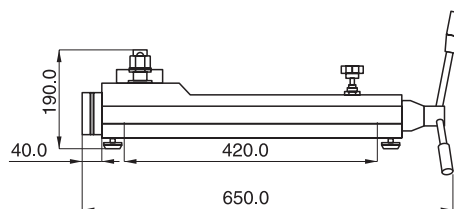
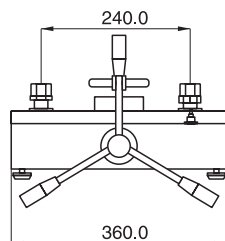
Corsa totale della vite: 160 mm

Sforzo di azionamento a 100 Bar: 1 Kgm circ.

Pressione di collaudo: 1000 Bar.

Dimensioni: 650 x 360 x 300 mm.

Peso: 18 Kg.



DOTAZIONE STANDARD

Chiave fissa di servizio Ch 27.

Attacco girevole 3/8" GAS.

Serie completa guarnizioni di ricambio.

Astuccio porta ricambi.

Le pompe BT400 e BT800 possono essere cordate di manometri campione a quadrante Ø 150 mm con classe di precisione $\pm 0,25\%$ (campi scala unificati) oppure con manometri digitali con classe di precisione $\pm 0,1\%$.

Per maggiori informazioni consultate i nostri bollettini tecnici.

TECHNICAL CHARACTERISTICS

Range of use: from 0 to 800 Bar (0 ÷ 11000 psi)

Interception needle valve: used to pre-load the circuit

Total capacity: 30cm³

Piston: with plunger stem and high pressure unit made in st. st.

Total screw stroke: 160 mm

Operative stress at 100 Bar: approx. 1 Kgm

Test pressure: 1000 Bar

Measurement: 650 x 360 x 300 mm

Weight: 18 Kg.

STANDARD SUPPLY

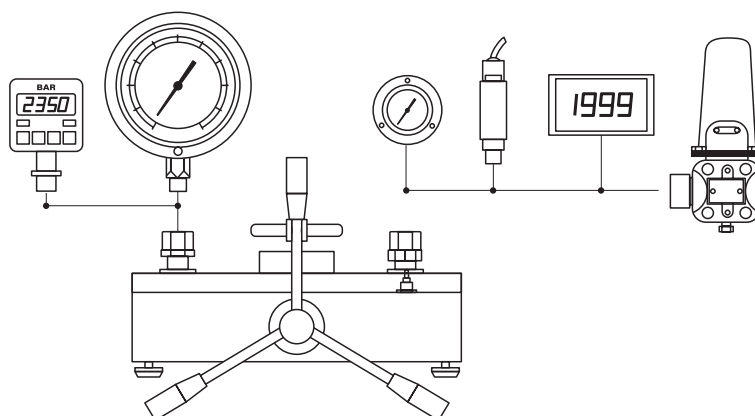
Ch 27 service box wrench.

3/8" BSP rotating connection.

Complete series of spare gaskets.

Case for carrying spare parts.

BT400 and BT800 comparison pump may be used in combination with standard manometers with 150 mm dial, $\pm 0,25\%$ accuracy (standard scale) or with digital manometers with $\pm 0,1\%$ accuracy.



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