

DGFR //X

Diesel System Test Bench

Diesel CRDi & Gasoline GDi Flushing Bench

Flushing / Cleaning and Servicing bench for up to 4 injectors.

Features

A Continental/VDO Proposed Flushing Bench

Xtremely Fast Flushing Times

New Design for every Service Station

Optimized Working Area to reduce Injector Set-up Times

1000Bar Operating Pressure

EU6 Systems Capable

CloudX Capabilities

Off-Highways CR applications operation (John Deere, Komatsu, Hino, Isuzu)

Cummins XPI, Caterpillar-Perkins C4/C6 and other Medium-Duty operation

Diesel CRDi / Gasoline GDi Injector Flushing Bench

Ergonomic, Fast and Easy Injector Clamping device to minimize mounting times.

Fully Adjustable height for all types of CRDi / GDi injectors.

Utilizes a spring-loaded injector holder to ease the operation of the user.

Advanced self air-cooling system to optimize long term nonstop operation at all environmental conditions.

Adaptability for every type of Diesel Injectors in the market

Android Powered 10' HMI with unlimited flexibility and connectivity competencies.

Authorized Solution for Continental/VDO









SPARDiesel System Test Bench

CZ Piezo Stack Filler, Air remover and Stack Activator is the only automatic solution to assure optimum servicing and operation of Piezo injectors today after being serviced by Diesel Specialists.

Automatic and easy operation for 4 Piezo injectors at once

Connects directly at the return port (backleak)

Only needs single phase 100-250Vac

Lightweight and portable solution

Connects to any Carbon Zapp Test Bench for use of appropriate Test Plans

High Flow Vacuum Power 10KPa and Pressure of 100KPa

Automatic Start / Stop function

Adaptability to all types of Piezo injectors

SPECIALISTS

CRDi
EUi/EUP
HEUi
CRP
ENGINE
GDi
EFi
GDi Pumps

DGFR //**X** Specifications

	DESCRIPTION	UNIT	DGFR-X (CZ-007091)
Machine Dimensions	Length	mm	510
	Width	mm	780
	Height	mm	780
Weight		kg	66
HMI	Tablet Touchscreen	Inches	10
Internet Update	WiFi / Ethernet	-	YES / YES
Pressure Source	Туре	Air Driven High Pressure Pump	
Test Oil	Туре	(DxL-ISO) ISO4113 Calibration Oil	
Test Oil Tank	Capacity	Liters	4
Flush Tank	Capacity	Liters	4
Max Pressure	Pressure	Bar	1000
Max RPM	Max Revolutions Per Minute	RPM	-
Max Pumps	Pumps Test	Slots	-
Max Injectors	Test Injectors	Slots	4
HP Pump	High Pressure Pump	Туре	Pneumatic Pump
LP Pump	Supply Pressure	Bar	-
Air Supply	Pressure	Bar	6 - 8
	Air Tank Capacity	Lt	200
	Air Flow	Lt/ Min	300
	Min Diameter at Air Supply Hose	mm	8
	Air	Type	Water / Oil FREE
Main	Phases	Number	1
		TYPE	1P+N
Power	Voltage	VAC	100 - 240
Supply	Frequency	Hz	50/60
	Current	Ampere	5
	Max Consumption	kVA (100V/240V)	0.5 / 1.2
Operating Temperature	Min / Max Room Temperature	Celsius	6 / 35
IVM Sensors	Measurement Sensors	Type / Quantity	-

	APPLICATIONS Passager Cat/ Motorcycles: Volumes up to 120mm3/H Light Duty: Volumes up to 200mm3/H Medium Duty: Volumes up to 200mm3/H Heavy Duty: Volumes up to 650mm3/H Marines: Volumes up to 650mm3/H Marines: Volumes up to 1500mm3/H
EXPLANATIONS	PRESSURE SOURCES Air, All Driven High Pressure Pump Mator: Mottor Driven High Pressure CR Pump External: Pressure coming from another Test Bench or external source Electr Pump: Fuel Injection system or Industrial Application Electrical Pump 12VDC: No Pressure Source

eXpanding Capabilities

X Series 2023

Space saving, accessory organizers for everyday tasks. Increased productivity and uncluttered space.











Hydraulic Hose Side Panel Pocket with Drain



Ultrasonic Shelf

for GTBR-X, ITBR-X, HTBR-X









Carbon Zapp Trolley Fully Configured Setup



CZ Base Trolley



Hose & Harness Side Organizer (max. 2 pcs per trolley)

Carbon Zapp Trolley

Ideal workshop organizer to fit most parts of the machine like harnesses, hoses, adapters, tools and flanges. Can be easily transformed to a Cambox and/or pump rack for easy transfer and storing.



CRp Flange Drawer Organizer (max. 1 pc per trolley)



Cambox/Pump Transfer Rack (max. 2 pcs per trolley)









CloudX is CarbonZapp IoT Cloud computing Platform

Powerful innovations at your fingertips with CZ CloudX computing Platform





CZ CloudX computing technology Platform as a service (PaaS) is a complete environment in the cloud, with resources that enable clients the full control of their Bench with cloud based Apps access them over a secure Internet connection. With middleware, development tools, business intelligence (BI) services, database management systems and more.

CloudX allows clients to access live online updates of database, remote operation and status report of their bench. Generate remote reports for handling, printing, filling and organizing from machine database. Instant activation of features on a pay-as-you-go basis. Multiple machines management support. Complete machine cloud back-up and instant trouble shooting via X-Connect directly from CZ factory. Receive notifications on your smart devices for machine maintenance tasks like Oils, Filters, Service, and more.

Explore today new powerful innovations at your fingertips with CZ CloudX computing Platform.

CloudX Features

- IoT Cloud computing Platform. Industry 4.0 Complaint
- Live Online Updates of Database and supporting new requests from clients
- Remote Operation and Status Report of Client Bench
- Generating remote reports for handling, printing, filing and organizing from machine database
- Instant Activation of Features on a pay-as-you-go basis
- Multiple machines management
- Complete machine cloud back-up
- Instant troubleshooting via X-Connect directly from CZ Factory
- Notifications on Client smart devices for machine maintenance tasks like Oils, Filters, Service, and more



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