

DXBG and DXBS Bench Dispenser

The innovative Mayer & Mayer DXB Dispensing System is primarily designed for low to medium volume 2-component bonding and sealing applications, suitable for a wide range of viscosities. It combines the considerable cost benefits of using bulk container supply with the undisputed advantages of accurate „Point of Application Metering“ and Mixing.

The Mayer & Mayer DXB series dispensing system is the ultimate tool for assembly lines and for static applications which require multiple dispense points and reliability and where cartridge systems are too costly and fully integrated supply systems are not yet justifiable.

The units are of sturdy construction, compact, low weight, ergonomically designed and extremely easy to operate.

The components are gravity fed and assisted by system vacuum from separate refillable containers into the integral DX Dispenser. The two materials are then forced by metering rods directly into a disposable static mixer, a separation nozzle for manual mix or a cartridge filling mandrell.

The system comprises two basic equipments, the DXBG Bench Dispenser for medium volume applications and the DXBS Bench Dispenser as small, economic, low cost version for all kind of low volume applications.



Features:

Low Production Costs

- Use of bulk packed material
- Fast refilling of dispenser containers
- Low maintenance requirements

Ease of Use

- Hands free operation
- Operation height adjustable
- Patented mixer interface eliminates cross contamination
- Safe and simple on - site refilling
- Closed System, NO open containers
- No Cleaning necessary
- Pneumatic air driven only
- No complex control device

Reproducible Process

- Mode control for bead or shot dispensing
- Fixed shot volume adjustment
- Fixed, reproducible, very precise, and reliable mixing ratio
- Reproducible results for metering, mixing and dispensing

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Technical Data Bench Dispenser DXBG and DXBS:

Metering Type	Positive displacement				
Available Volumetric Dispensing Ratios (fixed)	1 : 1	1.5 : 1	2 : 1	4 : 1	10 : 1
Max. Output per Stroke (ml) DXBG-3	26	27	27	25	25
Max. Output per Stroke (ml) DXBG-4	53	50	51	53	47
	Other ratios and shot stroke volumes are available on request				
Max. Dispensing Pressure (approx.)	36 bar, (530 psi)				
Container Volume A / B	DXB versions: 8 liter per container DXBS versions: 1 liter in both containers (size depends on mix ratio)				
Container Material	Polypropylene (PP)				
Mixer Interface	for original Sulzer Mixpac MFH/MFHX/MEF/MEFX/MFQ/MFQX - mixer with special adapter MBH/MBHX/MBQ/MBQX				
Mixer Sizes	DN 6, 8, 10 and 13 mm With special adapter DN 3, 4, 5, 7 mm				
Viscosity Range	LV versions: Low to medium high, self leveling DXBS HV versions: In combination with DXRS refill pump station low to high				
Main Air Supply	max. 6 – 8 bar (max. 87 – 120 psi)				
Air Requirements	Clean, dry and oilfree air (ISO 8573)				
Max. Operating Air Pressure (Factory Set)	6 bar (87 psi)				
Air Consumption per Cycle (full forward and return stroke) DXBG/DXBS - 3	0.0027 m3 at 6 bar (0.09 scf)				
Air Consumption per Cycle (full forward and return stroke) DXBG/DXBS - 4	0.0058 m3 at 6 bar (0.20 scf)				
Weight	DXB versions: approx. 27 kg DXBS versions: approx. 10 kg				
Height	DXB versions: approx. 920 mm DXBS versions: approx. 540 mm				
2-K Product Range	Non abrasive components, Polyurethanes, Epoxies, Silicones, Acrylics, MMA, etc.				