

Clean Room and Pharma Partition Wall

G+H Monobloc-/Bandraster-System: Type WS 8 B/P (80 mm thick)

According to requirements of:

(current version of)

- ISO 14644
- VDI 2083
- GMP Guidelines

Application Areas:

- pharmaceutical industry
- chemical industry
- food manufacturing
- large-scale kitchens

Construction Design:

- monobloc bandraster construction
- flexible and relocatable
- module's dimension between center lines
 $e = 100$ to $1,250$ mm
- bandraster $b = 80$ mm (standard)
- wall thickness $d = 80$ mm
- wall height $h = \text{max. } 4,000$ mm excl. transverse joint
- panel joint width approx. 4 mm
- joints sealed with fungicide treated silicon
- skirting flushed with wall or recessed,
material: coated sheet steel or stainless steel
- overlapping ceiling connection
- as single-shell wall cladding

Surfaces:

- coil-coated steel, coating similar to RAL 9002 or RAL 9010 (standard)
- coated steel (coating as above)
- stainless steel, brushed, grain 220
- coated aluminium

Partition Glazing:

- surface-flush double glazing with 2 single panes of safety glass, $t = 6$ mm, sanded and bevelled edges
- double glazing with 2 single panes of safety glass, $t = 5$ mm, sealing with PVC gaskets
- plastic safety glass, laminated safety glass or similar, upon request



wall height: 4.500 mm
steel pipe and fixtures integrated in wall construction



wall with glazing
lower section in stainless steel

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Technical Features

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Doors:

- 1 or 2-leaf hinged doors, with or without transom
- 1 or 2-leaf sliding doors (automatic or manual) with or without transom
- thickness of door leaf $t = 52$ mm, rabbetted, material similar to partition system, with or without glazing, matching to partition system
- door frame flushed with wall, door head and jambs rabbetted and grooves with hollow chamber seal
- Standard Version:
 - middle category security mortise lock for profile cylinder
 - door handle with rose: Hoppe DG 138.AL.RS
 - 2 pcs. BSW hinges, nickel-plated
- Special Version:
 - fixtures differ from standard
 - flush bolt or fixed rod latching system for fixed door leaf
 - automated door openers
 - overhead door closer including reinforcement
 - floor seals



material pass-through
2-leaf swing door with door automation

Fitted Equipment and Special Units:

- material pass-throughs
- integrated supply air and exhaust air units
- cable ducts
- reinforcements for fittings
- inspection hatches
- fenders
- openings for built-in units and ducts
- media walls and columns
- claddings

Fire protection:

- special design in F30 quality

Sound Insulation:

- special design:
transmission loss of up to $R_{W,R} = 47$ dB
(calculated value in accordance with
DIN 4109, section 6.4) possible



equipped with fenders
and ventilation

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subject to technical changes