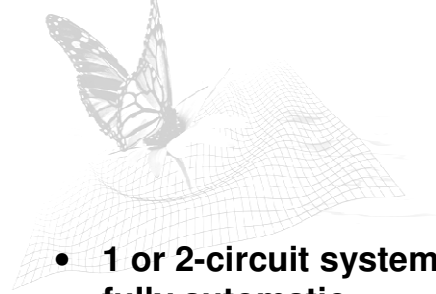


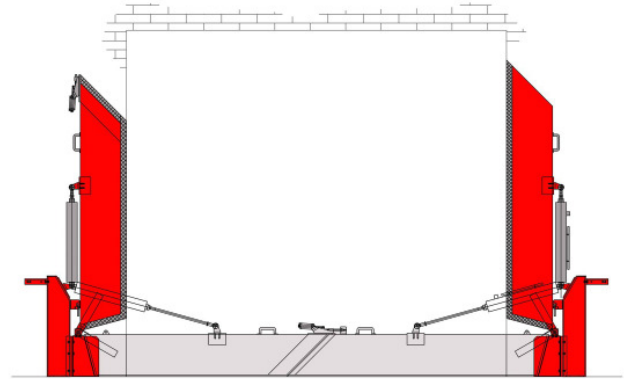
Retention Barrier BL/BDD-PM

Article index: 074, 075, 076

BDD-PM: barrier rotates on both sides, pneumatically controlled



- 1 or 2-circuit system
- fully automatic



Dimensions:

Standard height	100–1000 mm
Standard length	up to 12,000 mm
Special situations	available on request
Width	50 mm

The BL/BDD-PM is the fully automatic version of the tried and tested BL/BDD model and is equipped with the right pneumatic system to meet your individual needs (see overview on p. 34).

The swivelling fixtures are attached to the ground and wall to the left and right of the opening that needs protecting and are sealed against the building. The barrier bodies are bolted to the swivel joints, reinforced in the middle and fitted with a mounting eyelet. Pneumatic cylinders are hinge-connected to the eyelet and to the permanently installed support posts. One of the barrier bodies also has a thrust-type tension device mounted on it, the other is fitted with end supports.

Through a drop in signal strength – activated either automatically or by pressing a button – the barrier bodies close one after the other. Locking the barriers in their closed position occurs fully automatically. The opening and closing speed and the operating and contact pressure are adjustable.

Once the control signal has been reactivated a push of the button returns the barrier bodies one by one to their standby position.

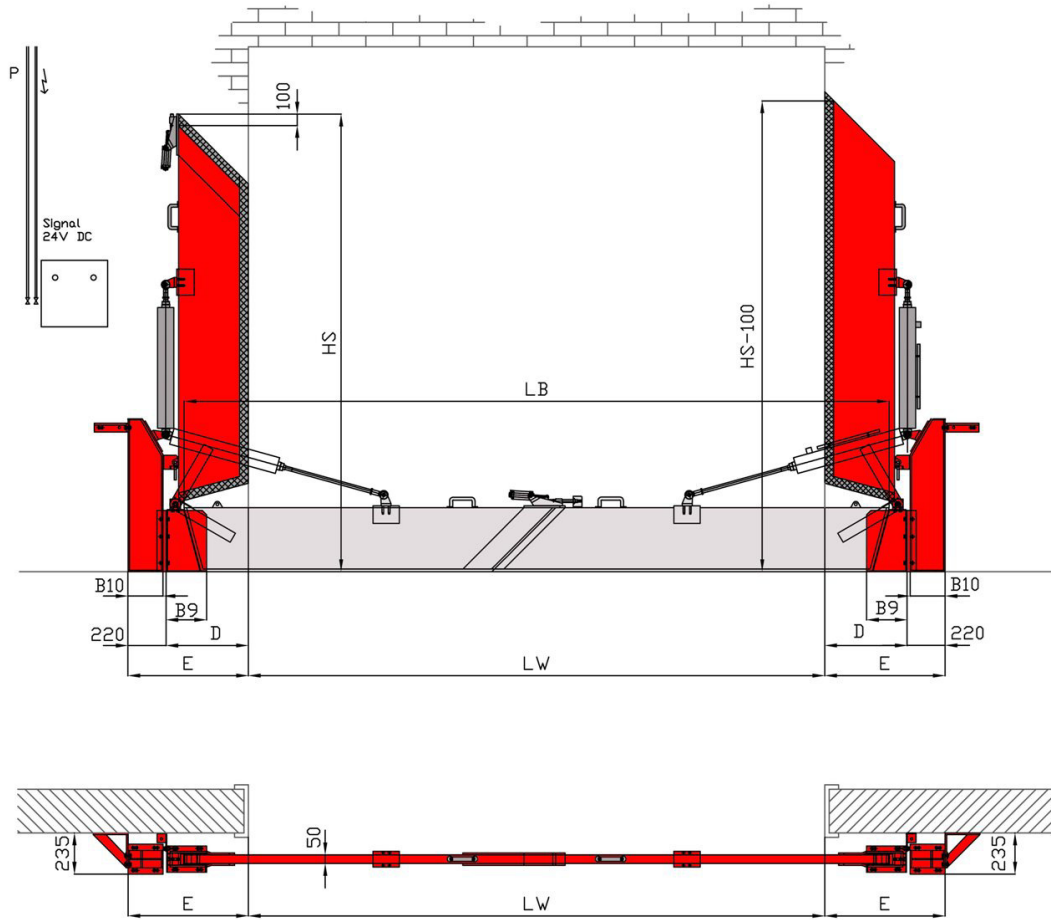
The pneumatic operating unit is designed to enable almost any manually operated version of the BL/BDD multifunctional barrier to be converted to an automatic model.

The optical display and acoustic warning signal are part of the product package. An optical closing signal (flashing light) in combination with an electro-control unit is available in a retrofit package.

The retention barrier consists of two trapezoidal, hollow aluminium profile bodies. **For retention heights of more than 300 mm, the individual profiles are generally welded together.** A compressible, highly adaptable special seal has been applied to its underside and end faces. The seal is age and media-resistant.

The EX version with ATEX 95/137 approval can be deployed in zones 1, 2, 21 and 22. Separate requirements apply to zones 0 and 20.

Suitable for crack-free surfaces with minimal unevenness on the ground – such as concrete, DIN 59220 chequered plate, tiles and stone.



BL/BDD-PM (rotates on both sides, electro-pneumatically controlled)
 Measurement table for order size LB
 LB = length of barrier LW = clear width Z_{DD} = addition LB = LW + Z_{DD}
 Minimum clearance height: HS = LB/2 + 1.5H + 200 mm W = 105 mm

Retention height H [mm]	D [mm]	E [mm]	Z _{DD} [mm]	Retention height H [mm]	D [mm]	E [mm]	Z _{DD} [mm]
100	220	440	210	600	720	940	1210
150	270	490	310	650	770	990	1310
200	320	540	410	700	820	1040	1410
250	370	590	510	750	870	1090	1510
300	420	640	610	800	920	1140	1610
350	470	690	710	850	970	1190	1710
400	520	740	810	900	1020	1240	1810
450	570	790	910	950	1070	1290	1910
500	620	840	1010	1000	1120	1340	2010
550	670	890	1110				

BL/BDD-PM/AS	Article index: 074, 474
<ul style="list-style-type: none">• Operating pressure: standard 3 to 8 bar• Closes automatically• Opens automatically• Closing process activated by signal switch-off (manual or automatic)• Automatic locking function• Signal connection deactivates locking function and automatically returns the barrier to its standby position• Opened and closed from any location (control stand, porter's lodge, etc.)	
BL/BDD-PM1	Article index: 075, 475
<ul style="list-style-type: none">• Operating pressure: standard 3 to 8 bar• Signal switch-off (manual or automatic) activates automatic closing process and automatic locking function• Control signal must be connected (at the touch of a button) to deactivate the locking function and return the barrier to its standby position• Opened and closed from any location (control stand, porter's lodge, etc.)• Opened on-site only• Requires connected control signal to open	
BL/BDD-PM2	Article index: 076, 476
<ul style="list-style-type: none">• Operating pressure: standard 3 to 10 bar• Safety low-pressure circuit: closure 3 to 5 bar• High-pressure circuit: locking function, contact pressure, return to standby 4 to 10 bar• Manual closure (entirely pneumatic) at the touch of a button in the switch cabinet• Additional emergency function in the switch cabinet: manual closure• Automatic closure through signal switch-off• Automatic closing and locking functions• Opens only through continuous or connected control signal (at the touch of a button)• Unlocking followed by automatic return to standby position• Pressure reduced during closure to safeguard personnel and property• Automatic switchover to high-pressure circuit when in the locked position• Returns to standby in high-pressure range• Automatically closed from any location (control stand, porter's lodge, etc.)• Opened on-site only• Requires connected control signal to open	