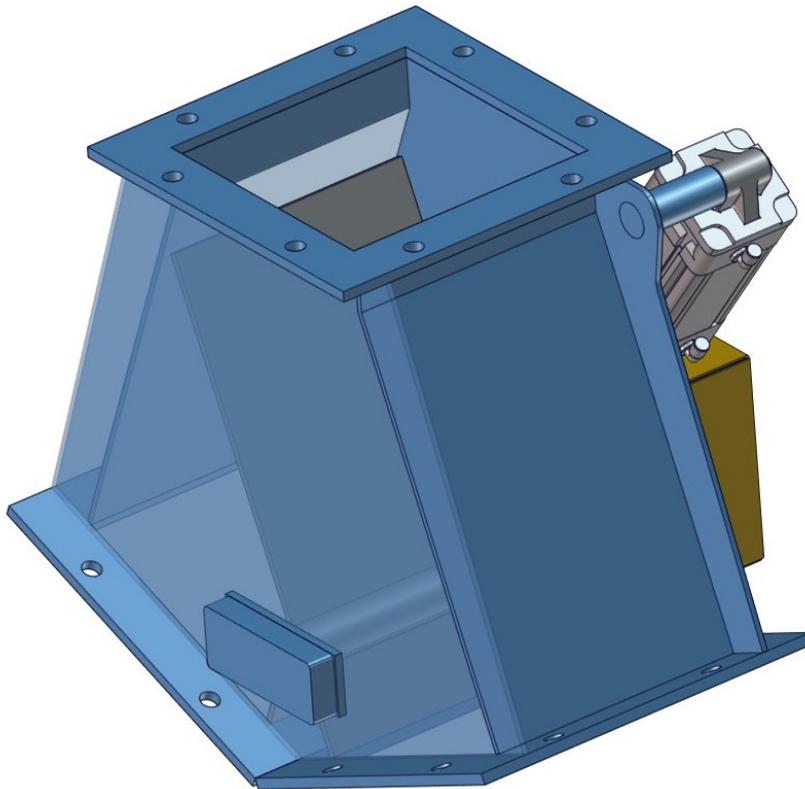




Datasheet Solids- Diverter flaps VDP45-Basic



Switching the bulk solids flow in a downstream pipe, two ways,
cross section adaptable



Advantages:

- Simple assembly
- Sturdy design
- Compact, space-saving installation
- Low maintenance

approval	MIGSA		SST		Mr. Linder	
	date:	sign:	date:	sign:	date:	sign:
			13.10.2016	Le	13.10.2016	Li

Preliminary
Modifications reserved



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Datasheet

Solids- Diverter flaps

VDP45-Basic

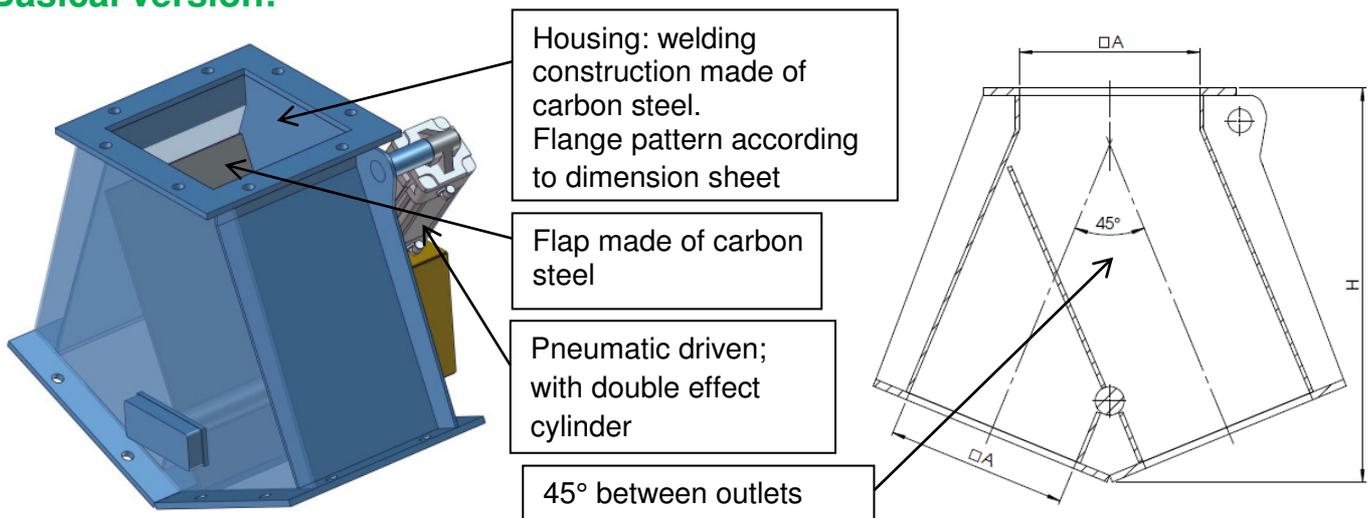


Operating conditions:

- Permissible operation pressure: atmospheric up to 0,1 bar g
- Product temperature max.: 100°C
- Max./min. ambient temperature: $-10\text{ °C} \leq T \leq 50\text{ °C}$
- Solid to bulk data: powders and granules, medium hardness, free flowing up to difficult flowing

Type	Inlet/Outlet A(mm)	Height H (mm)	Weight (kg)
VDP4515B01	150x150	405	30
VDP4520B01	200x200	475	45
VDP4525B01	250x250	550	60
VDP4530B01	300x300	620	75
VDP4535B01	350x350	690	90
VDP4540B01	400x400	760	105
VDP4545B01	450x450	830	160
VDP4550B01	500x500	900	245

Basical version:



This is not an equipment according ATEX-directive 2014/34/EU, but in contact with product (inside) usable in the zones 20-21-22. Additional electrical parts must be approved for the chosen ATEX-zone.

Switching during flowing product flow is only admissible in exceptional cases and after agreement of the manufacturer. Interrupt the product flow shortly before switching (e.g. lock using a slider, stop the conveyor device).

It is not allowed to switch the flap in the non flowing product columnne.

It is not allowed to switch the flap, if in one exit the product is not flowing out.

Surface treatment: chemical stripping,

primer 40 µm of zinc phosphate,

painted with 40 µm of 2-component polyurethane, Blue RAL5012



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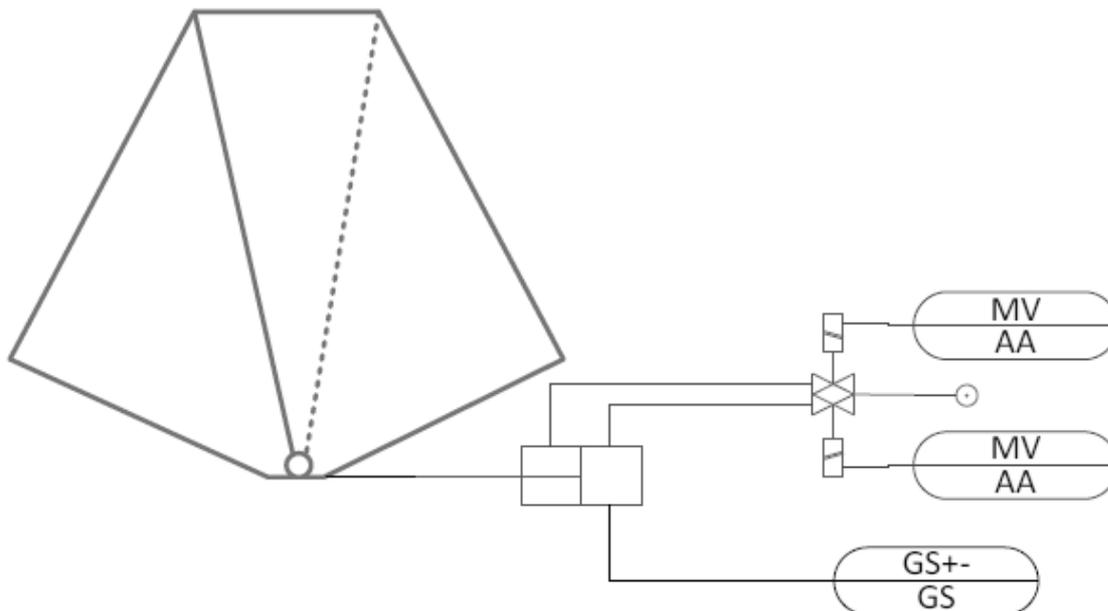


Datasheet Solids- Diverter flaps VDP45-Basic



Electric parts:

	Denomination	Manufacturer	Type
VDP001	Inductive initiators	IFM	IFS240
	magnetic detectors	SMC	D-M9PL
VDP002	Solenoid valves	Norgren	2623100



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Datasheet

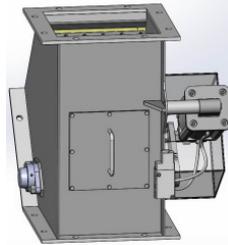
Solids- Diverter flaps

VDP45-Basic



Options:

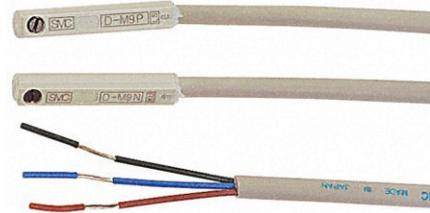
1. Dust-tight for powder products with polyurethane joint until 80°C
2. Dust-tight for powder products with Viton joint until 250°C
3. With an inspection window
4. Parts in contact with product made of wear resistant steel.
5. Parts in contact with product made of stainless steel 1.4306 (DIN) / 304L (AISI)
6. Parts in contact with product made of stainless steel 1.4404 (DIN) / 316L (AISI)



7. with 5/2-way solenoid valve for cylinder control



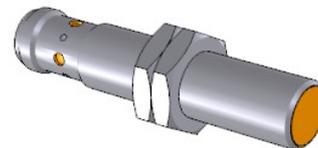
8. With 2 magnetic detectors on the cylinder, inclusive cable and junction box



9. With 2 electro mechanical limit switches



10. With 2 inductive detectors, inclusive wirable socket



11. electrical parts outside for zone 2/22
12. electrical parts outside for zone 1/21

Associated documents:

3D-part: Type.step (e.g: **VDP4515B01**. Step)
2D layout drawing: Type.dxf (e.g. **VDP4515B01**. dxf)
Selection guide: SG-VDP
Price list: PL-VDP45-Basic
list of drawing numbers: Draw-No-List_ VDP45-Basic



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