

# DeGasso<sup>®</sup> MV

*Vacuum aerator, partial stream aeration under 50% vacuum*



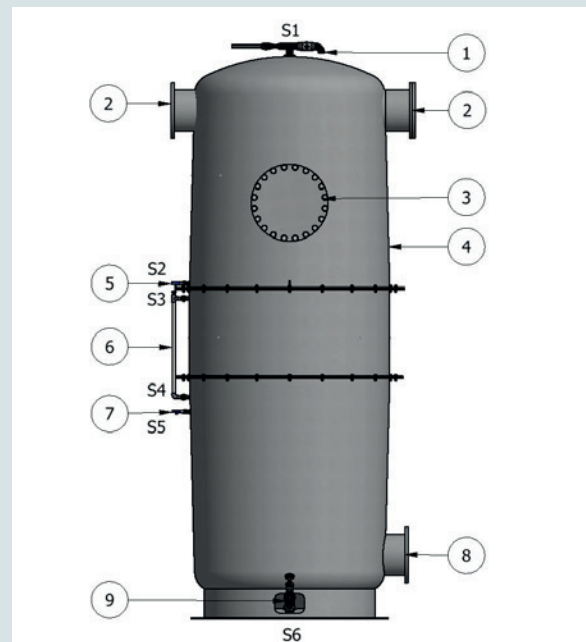
**Aerates a partial stream under 50% atmospheric pressure.  
Aeration of a partial stream corresponding to 10% of the total  
water volume will usually reduce saturation by 5%.**

#### **BENEFITS:**

- DeGasso<sup>®</sup> MV is a container for reducing the nitrogen content of oversaturated water.
- DeGasso<sup>®</sup> MV requires little space and is widely used as a supplement where existing column aerators are not effective enough.
- It can be controlled, if necessary, using a controller, PLC or frequency converter.

## COMPONENTS

1. Pipe connector for BlowerRack/safety valve
2. Water inlet (flange at both ends of the pipe, blind flange at one end)
3. Manhole
4. DeGasso<sup>®</sup> MV glassfibre tank
5. Pressure transmitter
6. Level gauge
7. Pressure transmitter
8. Outlet for aerated water
9. Drainage



## DELIVERY OF DEGASSO<sup>®</sup> MV NORMALLY INCLUDES:

- Safety valve
  - Bottom drain valve
  - Flow meter
  - BlowerRack with backup blower
  - Pressure transmitter for level gauging
  - Level glass
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- Operating temperature: 0–30 °C
  - Maximum pressure: 0.5 barg
  - Maximum vacuum: -0.5 barg



Fig. 1

Connection pipes and threaded connections									
Pos.	Description	DeGasso <sup>®</sup> MV 600	DeGasso <sup>®</sup> MV 800	DeGasso <sup>®</sup> MV 1000	DeGasso <sup>®</sup> MV 1250	DeGasso <sup>®</sup> MV 1700	DeGasso <sup>®</sup> MV 2000	DeGasso <sup>®</sup> MV 2500	DeGasso <sup>®</sup> MV 3000
S-1	Pipe connector for vacuum panel	2"	2"	2"	2"	2"	2"	2"	2"
S-2	Pipe connector for pressure gauge/transmitter	1"	1"	1"	1"	1"	1"	1"	1"
S-3	Pipe connector for level gauge	1"	1"	1"	1"	1"	1"	1"	1"
S-4	Pipe connector for level gauge	1"	1"	1"	1"	1"	1"	1"	1"
S-5	Pipe connector for pressure gauge/transmitter	1"	1"	1"	1"	1"	1"	1"	1"
S-6	Pipe connector for drainage	1"	1"	1"	1"	2"	2"	2"	2"
Inlet	Inlet DN	125	150	200	250	300	400	500	2x400
Out	Outlet DN (closed tank)	125	150	200	250	300	400	500	600
MH	Manhole Ø	-	-	600	600	600	600	600	600
Capacity in l/min	'Clean' water	1,000	1,800	2,900	4,600	8,500	11,900	18,800	26,700
	Humus water	700	1,200	1,950	3,000	5,700	7,900	12,500	17,700
	Seawater	500	900	1,450	2,300	4,250	5,950	9,400	13,350
Material		Glassfibre	Glassfibre	Glassfibre	Glassfibre	Glassfibre	Glassfibre	Glassfibre	Glassfibre
Diameter		600	800	1,000	1,250	1,700	2,000	2,500	3,000
Total height in mm		3,320	3,630	4,150	4,545	5,185	5,700	6,800	7,400