

Quotation
VOF250511 - Version 4

Multimix Mezőber Kft.
Attn. Mr. Attila Klujber
Faller út(Str) 5
2890 Tata
Hungary

Your Reference

RFQ; 16 tph chicken manure
pellets

External Document No.

AIR SYSTEM

Date

4 March 2025

Area Manager

Rens van Nuijs

Order handled by

Rens van Nuijs

Internal reference

VOF241350

VERSION: 4 DATE: 9-7-2025

Version 3: RvN, 9-7-2025

Version 2: RvN, 11-3-2025

Version 1: RvN, 4-3-2025

Please find enclosed our quotation for the air system of VOF241350.

In this quotation I have selected both options, upon order please let us know the preference for either a Cyclone, or the Cyclofilter is required.

If you require any further information, please let us know.

With kind regards,

Rens van Nuijs
Geelen Counterflow

Enclosures:

Air shut-off valve

M232701E_PNEUMATIC AIR SHUT-OFF VALVE FPV700-.pdf

Air fan

M248156A_FAN 12FREN560-75kW - 2P - LG-0.pdf

Cyclofilter

M210952A_CYCLOFILTER CF112-35-L-.pdf

Fines valve GS350

M260102F_FINES VALVE GS350- .pdf

Orgalim

Orgalim

No.	Description	Quantity	Unit Price	Amount
1 ZCF250026	Cyclofilter CF112/35 Stainless steel-F Diameter: Ø 2400 mm / 24VDC Atex 22 Emission: Max. 5mg /N m3 Stainless steel filter cages: 112 Air buffer vessel: mild steel Cloth: anti-static, water and oil repellent polyester. Filter surface: 147,8 m2 Hinged door and inspection hatch, bolted. Outlet: Ø 350mm Overflow sensor: rotating Pressure transmitter: yes Automatic cleaning by compressed air. Controller: yes	1	Pcs	
2 ZGS250327	Fines valve GS350 hsr1: 380-415v50hz & 415-460v60hz / ip54 / b Gearmotor 0,37kW Fines valve painted blue. Motor fines valve painted grey. Rotor in stainless steel	1	Pcs	
3 ZLU250335	Pneumatic air shut-off valve FPV700 With block and bleed safety. Control voltage: 24VDC Atex 22 Product contact parts stainless steel. Including 2 clamping collars. Solenoids 24VDC.	1	Pcs	
4 ZVE250313	Air Fan/12FREN560/75,0 kW/50 Hz/Unknown. HSR1/TR/DirectDrive/-2P- hsr1: 380-415v50hz & 415-460v60hz / ip54 / b Electric motor: 75,0 kW/50 Hz, IE3 Mild steel Direct drive Inspection hatch: Yes Earthing connector: Yes Vibration absorbers: Yes Anti Spark Design: Yes Frequency converter with filter, to be installed locally in MCC (MCC not included). Diameter of the flexible connections: 700 mm	1	Pcs	
5 ZLA250308	Color: RAL9010 Pure white Spray coated with 1 layer 2K PU 70% gloss	1	Pcs	
6 85	Digital manual in English Annexes might have another language. Link to the digital manual in PDF will be send by e-mail. Download instruction will be shipped with the equipment as well.	1	Pcs	
7 85	Digital manual in Hungarian	1	Pcs	

No.	Description	Quantity	Unit Price	Amount
	Annexes might have another language.			
	Link to the digital manual in PDF will be send by e-mail. Download instruction will be shipped with the equipment as well.			

					Total EUR
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VALIDITY

Unless agreed otherwise, this quotation is valid for 1 month.

CONDITIONS:

Orgalim S 2022

Orgalim conditions are available from our website www.geelencounterflow.com,
or can be sent to you on your request.

Prices valid for deliveries within 12 months after receipt down payment.

Please make sure we can expedite to your site/storage within 4 weeks after ex-works delivery date.

After 4 weeks we have to charge € 2 / m2 per day for storage and additional handling.

SHIPPING RATES:

The Shipping rates mentioned are an indication of the expected cost. We will invoice shipping based on the actual rates we receive upon booking.

WARRANTY:

2 years after ex-works delivery (other warranty conditions according to Orgalime)

DELIVERY CONDITIONS (INCOTERMS 2020)

FCA Haelen

SHIP-TO ADDRESS

Multimix Mezöber Kft.

Faller út(Str) 5

2890 Tata

Hungary

PAYMENT TERMS

40% with order against first term invoice.

Stated delivery time is only valid if the first
term invoice is paid on time.

60% before dispatch.

DELIVERY TIME

To be discussed

Yours faithfully,

Geelen Techniek BV

Process specifications

VOF241350

Product	Chicken manure pellets	
Product capacity incoming	10000	kg/h
Process description	Pellet press > Cooler	
Process calculation valid for product size	4,0	mm
Cooler suitable for product size range	1<	mm
Product density	650	kg/m ³
Product specific heat	1,68	kJ/kg °C
Product temperature incoming	85	°C
Product moisture incoming	10,0	%
Product moisture outgoing	9,0	%
Coating before cooler	-	%
Specification of coating	-	
Plant altitude above sea level	50	m
Power supply 3 phase	400V / 50Hz	
Power supply 1 phase	-	
Control voltage field devices	24VDC	
Components suitable for use in explosion risk zone	Not applicable	
Pneumatic pressure	6 - 8	Bar

Using above data and assumptions we find the following results by calculation.
Please note that data are valid only if the entire system has been designed and built according to our instructions.

Product temperature outgoing, max. above cooling air	5	°C
Cooling air volume (approx)	19140	m ³ /h
Pressure loss over cooler (approx)	1800	Pa
Additional pressure loss cyclone / ducting (approx)	1000 / 1000	Pa
Diameter ducting (min thickness 2mm)	700	mm
Motor frequency fan	36 - 46	Hz

Process specifications

VOF241350

Product	Chicken manure pellets	
Product capacity incoming	16000	kg/h
Process description	Pellet press > Cooler	
Process calculation valid for product size	4,0	mm
Cooler suitable for product size range	1<	mm
Product density	650	kg/m ³
Product specific heat	1,68	kJ/kg °C
Product temperature incoming	85	°C
Product moisture incoming	10,0	%
Product moisture outgoing	9,0	%
Coating before cooler	-	%
Specification of coating	-	
Plant altitude above sea level	50	m
Power supply 3 phase	400V / 50Hz	
Power supply 1 phase	-	
Control voltage field devices	24VDC	
Components suitable for use in explosion risk zone	Not applicable	
Pneumatic pressure	6 - 8	Bar

Using above data and assumptions we find the following results by calculation.
Please note that data are valid only if the entire system has been designed and built according to our instructions.

Product temperature outgoing, max. above cooling air	5	°C
Cooling air volume (approx)	27220	m ³ /h
Pressure loss over cooler (approx)	2500	Pa
Additional pressure loss cyclone / ducting (approx)	1000 / 1000	Pa
Diameter ducting (min thickness 2mm)	700	mm
Motor frequency fan	41 - 51	Hz