



AIR HEATING OF AGRICULTURAL FACILITIES

Fan heaters AGRO



FAN HEATERS FOR SPECIAL PURPOSE BUILDINGS



POULTRY FARMS

Fan heaters with waterproof and dustproof fan and heat exchanger protected by anticorrosion coating.

AGRO HT



AGRO SP



AGRO ST



TECHNICAL DATA

	AGRO HT3	AGRO HT5	AGRO SP	AGRO ST
Heating capacity ⁽¹⁾ [kW]	19,2–117	26,8–158	8,7–56,2	6,6–43
Air flow [m ³ /h]	10 000	9 000	4600	3700
Max. air stream range [m]	48/15 ⁽²⁾	43/15 ⁽²⁾	28/12 ⁽²⁾	21
Installation	horizontal/vertical	horizontal/vertical	horizontal/vertical	vertical
Power supply [V/Hz]	3x400/50	3x400/50	230/50	230/50

⁽¹⁾ min: temperature of heating medium 40/30°C, air temperature at the inlet 20°C, max: temperature of heating medium 90/70°C, air temperature at the inlet 0°C

⁽²⁾ horizontal range of device without outside diffuser / vertical range of device with outside diffuser



PIGGERIES

Additional anticorrosion cathodic coating; in AGRO HT/HP devices, as well as appropriate high-end components guarantee even greater resistance to harsh environments.

AGRO HT



AGRO HP



	AGRO HT3	AGRO HT5	AGRO HP
Heating capacity ⁽¹⁾ [kW]	19,2–117	26,8–158	8,7–56,2
Air flow [m ³ /h]	10 000	9 000	4600
Max. air stream range [m]	48/15 ⁽²⁾	43/15 ⁽²⁾	28/12 ⁽²⁾
Installation	horizontal/vertical	horizontal/vertical	horizontal/vertical
Power supply [V/Hz]	3x400/50	3x400/50	230/50

⁽¹⁾ min: temperature of heating medium 40/30°C, air temperature at the inlet 20°C, max: temperature of heating medium 90/70°C, air temperature at the inlet 0°C

⁽²⁾ horizontal range of device without outside diffuser / vertical range of device with outside diffuser

CONSTRUCTION OF AGRO HEATING DEVICES

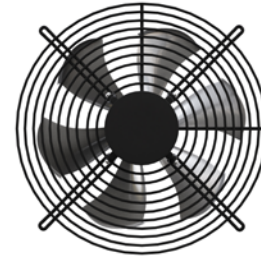
RELIABILITY

Appropriate construction, durable materials together with high-end components ensure long-lasting and effective AGRO units operation in severe conditions of agrarian buildings.



HIGHLY-EFFICIENT FAN

Waterproof and dustproof fans with IP66 (AGRO ST/SP/HP) or IP 55 (AGRO HT) allows to maintain the nominal capacity of the fan even when the exchanger is slightly dirty.

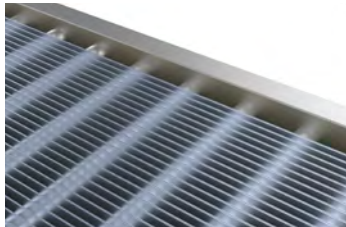


HEAT EXCHANGER

This item has strengthened fins with increased spacing between them. It is protected by an epoxy coating (AGRO ST/SP) or coated with special cataphoretic anticorrosive layer (AGRO HP/HT) with increased immunity, among others for ammonia. Cataphoretic coating is technologically the most advanced method of anticorrosive surface treatment for metal products.



cataphoretic layer



EASY CLEANING

Easy access to the unit's interior speed up the maintenance and service operations. Hinged construction and special opening clamps make it possible to use the unit as an air mixer.



6-SIDED AIR DIFFUSER

Use of diffuser enables steady air distribution in entire volume of the room. Warm air stream is not blowing directly towards the animals.



ROTARY CONSOLE

Enables rotation of the unit and easy installation on vertical surfaces, poles, pillars, etc.



WATER HEATERS AGRO HT



Heating capacity⁽¹⁾ [kW]
19,2–158



Weight [kg]
73–85



Casing
ABS plastic



Air flow [m³/h]
9 000–10 000



Colour⁽²⁾
Red-black

⁽¹⁾ min. - temperature of heating medium 40/30°C, air temperature at the inlet 20°C,
max. - temperature of heating medium 90/70°C, air temperature at the inlet 0°C
⁽²⁾ RAL 3020 and RAL 9005

APPLICATION

Poultry farms, piggeries and other big cubature buildings with considerable pollution of air with solid particles, high humidity and corrosive environment. AGRO HT fan heaters are designed for horizontal installation with rotary console and vertical installation with outside grille, where height does not exceed 2 m.

CHARACTERISTIC

Fan heater in plastic casing with long heating range and with heat exchanger coated with special cataphoretic anticorrosive layer. Hinged construction enables you to mix the air in summer. Quick access to the unit's interior thanks to buckles. Dustproof and waterproof fan IP55.

AVAILABLE TYPES OF UNITS:

- **AGRO HT 3** – with 3-row heat exchanger with cataphoretic anticorrosive layer.
- **AGRO HT 5** – with 5-row heat exchanger with cataphoretic anticorrosive layer.

TECHNICAL DATA

Fan heater AGRO HT

	AGRO HT 3	AGRO HT 5
Air flow [m ³ /h]	10 000	9 000
Heating capacity ⁽¹⁾ [kW]	19,2–117	26,8–158
Power supply [V/Hz]	3x400/50	3x400/50
Max. current consumption [A]	1,6	1,6
Max. power consumption [W]	630	630
IP/ Insulation class	55/F	55/F
Max. acoustic pressure level ⁽²⁾ [dB(A)]	72,8	72,8
Max. air stream range [m]	48 ⁽³⁾ /15 ⁽⁴⁾	43 ⁽³⁾ /15 ⁽⁴⁾
Max. heating water temperature [°C]	95	95
Max. operating pressure [MPa]	1,6	1,6
Weight of unit [kg]	73	85
Weight of unit filled with water [kg]	83	102
Connector	1"	1"

⁽¹⁾ min. - temperature of heating medium 40/30°C, air temperature at the supply to the device 20°C;
max. - temperature of heating medium 90/70°C, air temperature at the supply to the device 0°C

⁽²⁾ acoustic pressure level has been measured 5 m from the unit in a 1500 m³ space with a medium sound absorption coefficient

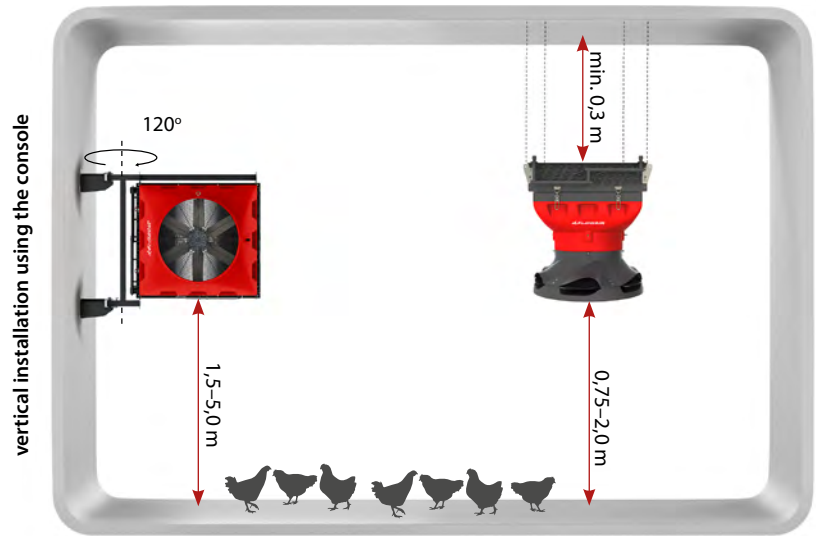
⁽³⁾ range of horizontal isothermal air stream, at 0,5 m/s velocity limit

⁽⁴⁾ range of horizontal isothermal air stream, at 0,5 m/s velocity limit with outlet diffuser



INSTALLATION

installation under the ceiling⁽¹⁾



⁽¹⁾ Installation under the ceiling of AGRO HT with 6-sided air outlet

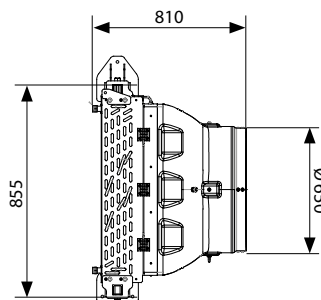
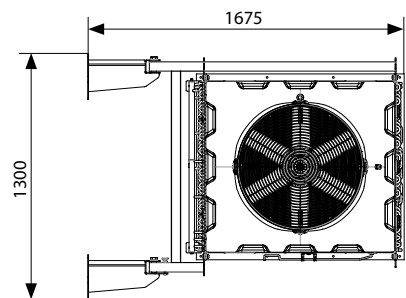
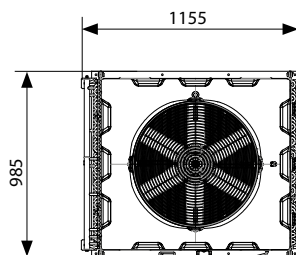


Rotary console

AGRO HT

Rotary console enables 120° rotation of the device which lets you direct the air stream in any direction. Additionally, the console ensures easy access to the unit from any side.

DIMENSIONS



AGRO HT

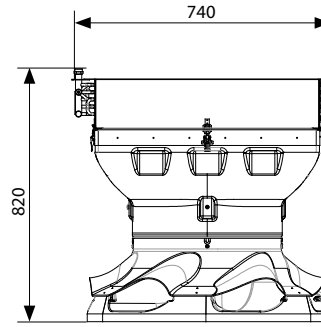
For CAD drawings and documentation for all available versions of AGRO fan heaters visit www.flowair-agro.com



ACCESSORIES

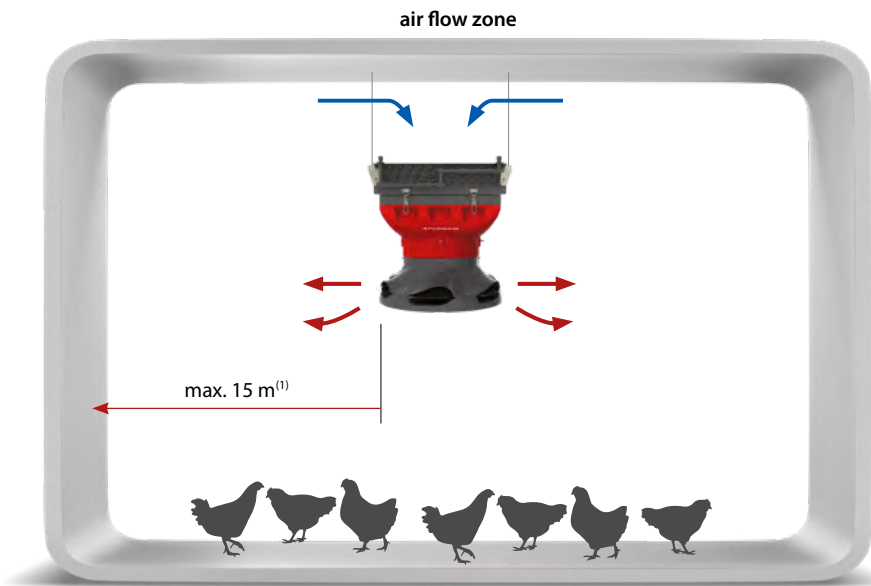
AGRO HT AIR DIFFUSER

Material: plastic
 Weight: 8,6 kg
 AGRO HT 6-sided air outlet distributes the air when heater is installed under the ceiling



AGRO HT+ AIR DIFFUSER

AIR FLOW ZONE AGRO HT WITH DIFFUSER

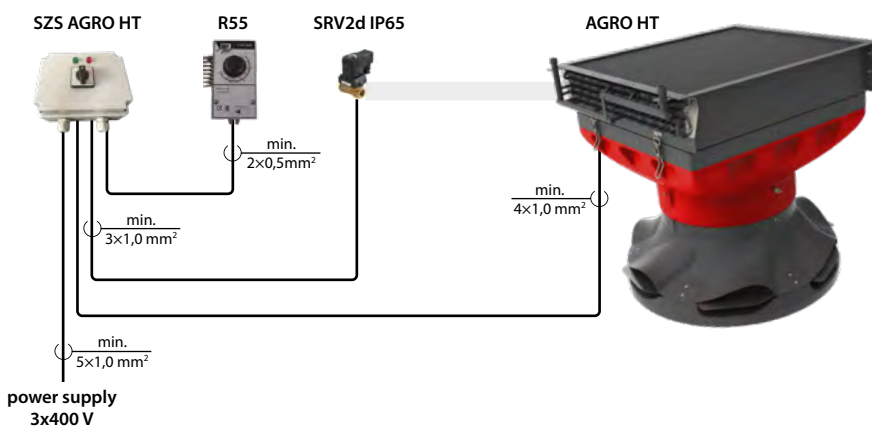


(1) Range of horizontal isothermal air stream, at 0,5 m/s velocity limit

BENEFITS OF USING AGRO HT AIR DIFFUSER:

- steady temperature distribution,
- better quality of bedding,
- lower level of humidity in the room.

CONTROL SYSTEM



The R55 thermostat controls valve and fan operation by AGRO HT control box.

FEATURES OF SZS AGRO HT:

- fan's rotation direction „left-right” change ability,
- on/off regulation,
- work and failure signalisation,
- security against wrong phase sequency, assymetry and backup phase.

ELEMENTS:

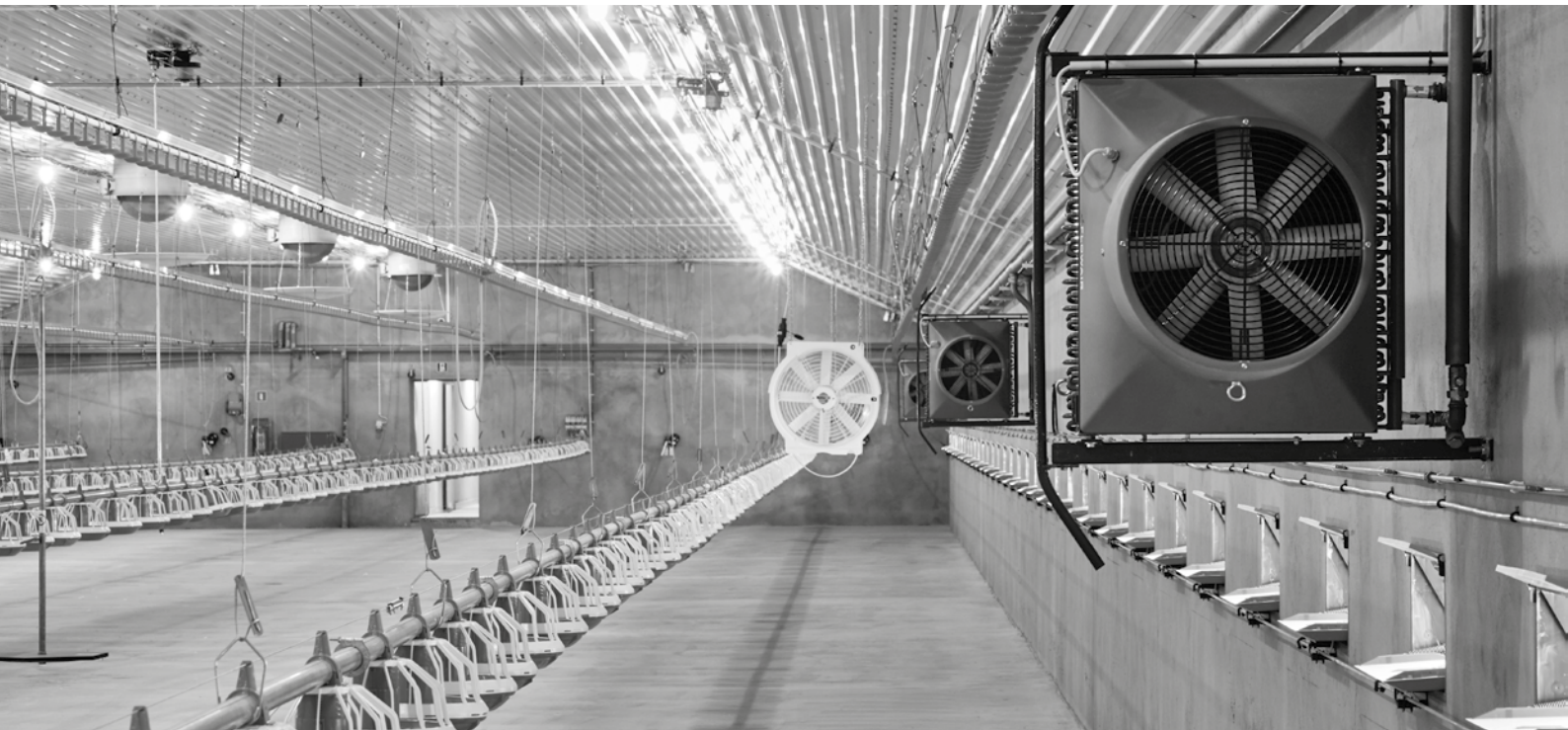
- SZS AGRO HT - control box,
- R55 - thermostat controls valve IP55,
- SRV2d-1 IP65 - two-way valve 1" with actuator IP65.

Possibility of regulation with microclimate controller (not in FLOWAIR's offer).

HEATING CAPACITIES

Tw1/Tw2 = 90/70°C					Tw1/Tw2 = 80/60°C					Tw1/Tw2 = 70/50°C					Tw1/Tw2 = 60/40°C					Tw1/Tw2 = 50/40°C				
Tp1	PT	Qw	Δpw	Tp2	Tp1	PT	Qw	Δpw	Tp2	Tp1	PT	Qw	Δpw	Tp2	Tp1	PT	Qw	Δpw	Tp2	Tp1	PT	Qw	Δpw	Tp2
[°C]	[kW]	[l/h]	[kPa]	[°C]	[°C]	[kW]	[l/h]	[kPa]	[°C]	[°C]	[kW]	[l/h]	[kPa]	[°C]	[°C]	[kW]	[l/h]	[kPa]	[°C]	[°C]	[kW]	[l/h]	[kPa]	[°C]
AGRO HT 3 = 10 000 m³/h																								
0	117,0	5156	98,0	32,5	0	102,0	4454	77,0	28,0	0	86,3	3760	50,0	24,0	0	70,9	3074	42,0	19,5	0	65,0	5630	128,0	18,0
5	108,0	4778	85,0	35,5	5	93,2	4085	66,0	31,5	5	78,0	3400	48,0	27,0	5	62,7	2722	34,0	23,0	5	57,0	4937	101,0	21,0
10	100,0	4404	74,0	38,5	10	84,9	3723	56,0	34,5	10	69,9	3047	40,0	30,0	10	54,8	2376	26,0	25,5	10	49,2	4258	77,0	24,0
15	91,7	4043	63,0	42,0	15	76,8	3368	47,0	37,5	15	61,9	2699	32,0	33,0	15	46,9	2035	20,0	28,5	15	41,5	3592	57,0	27,0
20	83,6	3686	53,0	45,0	20	68,9	3019	38,0	40,5	20	54,1	2358	25,0	36,0	20	39,1	1697	14,0	31,5	20	33,9	2937	39,0	30,0
25	75,7	3335	44,0	48,0	25	61,1	2676	31,0	43,5	25	46,4	2021	19,0	39,0	25	31,4	1362	10,0	34,5	25	26,5	2292	25,0	33,0
30	67,8	2991	36,0	51,0	30	53,4	2339	24,0	46,5	30	38,7	1688	14,0	42,0	30	23,6	1024	5,5	37,0	30	19,1	1652	14,0	36,0
35	60,2	2652	29,0	54,0	35	45,8	2006	18,0	49,0	35	31,1	1356	9,0	45,0	35	15,4	668	2,5	40,0	35	11,6	1004	6,0	38,5
AGRO HT 5 = 9 000 m³/h																								
0	158,0	6964	120,0	48,5	0	138,0	6034	95,0	42,0	0	117,0	5115	73,0	36,0	0	96,9	4206	52,0	30,0	0	87,7	7597	157,0	27,0
5	146,0	6451	105,0	51,0	5	126,0	5535	81,0	44,5	5	106,0	4629	61,0	38,0	5	86,0	3731	42,0	32,0	5	77,0	6667	123,0	29,0
10	135,0	5950	90,0	53,0	10	115,0	5047	69,0	46,5	10	95,3	4153	50,0	40,5	10	75,3	3265	33,0	34,0	10	66,5	5758	94,0	31,0
15	124,0	5460	77,0	55,0	15	104,0	4569	57,0	49,0	15	84,6	3687	40,0	42,5	15	64,7	2807	25,0	36,0	15	56,2	4869	70,0	33,0
20	113,0	4981	65,0	57,5	20	93,6	4102	47,0	51,0	20	74,1	3229	31,0	44,5	20	54,3	2355	18,0	38,0	20	46,2	3997	49,0	35,0
25	102,0	4512	54,0	59,5	25	83,1	3643	38,0	53,0	25	63,7	2779	24,0	46,5	25	43,9	1906	12,0	40,0	25	36,3	3139	31,0	37,0
30	91,9	4052	45,0	61,5	30	72,9	3193	30,0	55,0	30	53,5	2334	17,0	48,0	30	33,5	1451	8,0	41,0	30	26,4	2289	18,0	39,0
35	81,7	3600	36,0	63,0	35	62,7	2750	23,0	57,0	35	43,5	1891	12,0	50,0	35	22,4	971	3,0	43,0	35	16,4	1424	8,0	41,0

- V – air flow
- PT – heating capacity
- Tp1 – inlet air temperature
- Tp2 – outlet air temperature
- Tw1 – inlet water temperature
- Tw2 – outlet water temperature
- Qw – water stream flow in the heat exchanger
- Δpw – water pressure drop in the heat exchanger



WATER HEATERS AGRO SP/HP



Heating capacity⁽¹⁾ [kW]

8,7–56,2



Weight [kg]

27,3



Casing

**ABS
plastic**



Air flow [m³/h]

4600



Colour⁽²⁾

Grey

⁽¹⁾ min: temperature of heating medium 40/30°C, air temperature at the inlet 20°C,
max: temperature of heating medium 90/70°C, air temperature at the inlet 0°C

⁽²⁾ casing RAL 9006

AGRO SP

AGRO HP

APPLICATION

Poultry farms (AGRO SP), piggeries (AGRO HP) and other big cubature buildings with considerable pollution of air with solid particles, high humidity and corrosive environment. AGRO SP/HP fan heaters are designed for horizontal installation with rotary console or vertical installation with outside grille, where height does not exceed 1,5 m.

CHARACTERISTIC

Fan heater equipped with heat exchanger in epoxidized version (AGRO SP) or coated with special cataphoretic anticorrosive layer (AGRO HP). Plastic casing with long heating range. Hinged construction enables you to mix the air in summer. Quick access to the unit's interior thanks to buckles. Dustproof and waterproof fan IP66.

AVAILABLE TYPES OF UNITS:

- **AGRO SP** – with 3-row, aluminium-copper heat exchanger covered with protective coating resistant to corrosion.
- **AGRO HP** – with 3-row, aluminium-copper heat exchanger covered with cataphoretic anticorrosive layer which guarantees increased resistance to many corrosives.

TECHNICAL DATA

Fan heater AGRO SP/HP

	AGRO SP/HP
Air flow [m ³ /h]	4600
Heating capacity ⁽¹⁾ [kW]	8,7–56,2
Power supply [V/Hz]	230/50
Max. current consumption [A]	2,5
Max. power consumption [W]	360
IP/ Insulation class	66/F
Max. acoustic pressure level ⁽²⁾ [dB(A)]	68,7
Max. air stream range [m]	28 ⁽³⁾ /12 ⁽⁴⁾
Max. heating water temperature [°C]	95
Max. operating pressure [MPa]	1,6
Weight of unit [kg]	27,3
Weight of unit filled with water [kg]	31,0

⁽¹⁾ min. - temperature of heating medium 40/30°C, air temperature at the supply to the device 20°C;
max. - temperature of heating medium 90/70°C, air temperature at the supply to the device 0°C

⁽²⁾ acoustic pressure level has been measured 5 m from the unit in a 1500 m³ space with a medium sound absorption coefficient

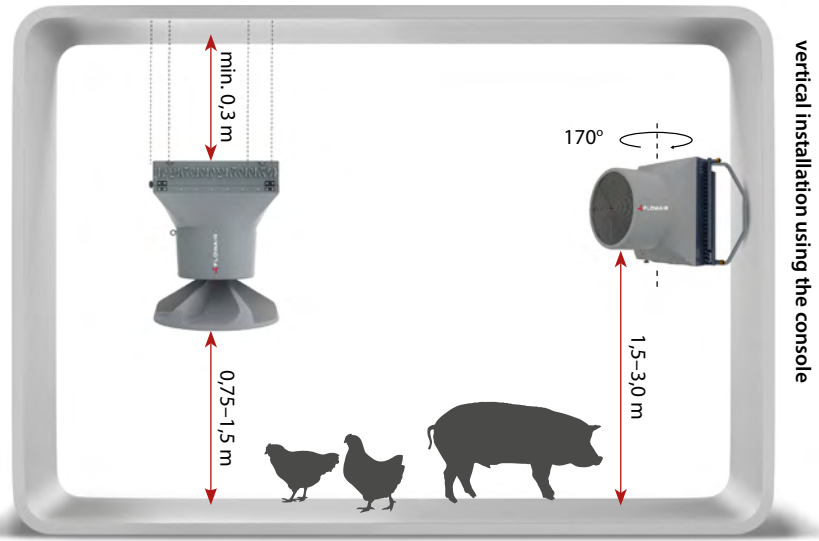
⁽³⁾ range of horizontal isothermal air stream, at 0,5 m/s velocity limit

⁽⁴⁾ range of horizontal isothermal air stream, at 0,5 m/s velocity limit with outlet diffuser



INSTALLATION

installation under the ceiling⁽¹⁾



⁽¹⁾ Installation under the ceiling of AGRO SP/HP with 6-sided air outlet

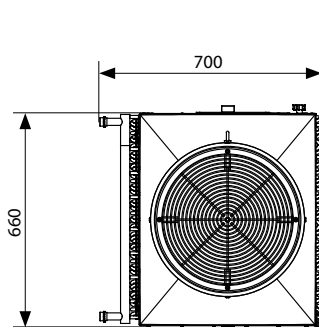


Rotary console

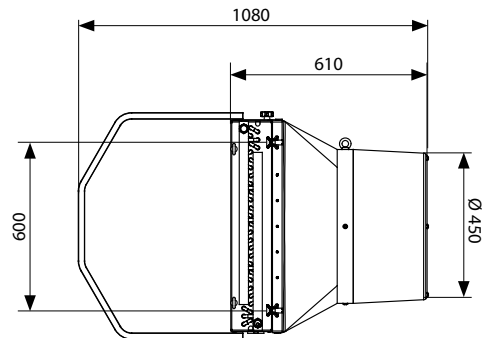
AGRO SP/HP

Rotary console AGRO SP/HP enables 170° rotation of the device which lets you direct the air stream in any direction. Additionally, the console ensures easy access to the unit from any side.

DIMENSIONS



AGRO SP/HP



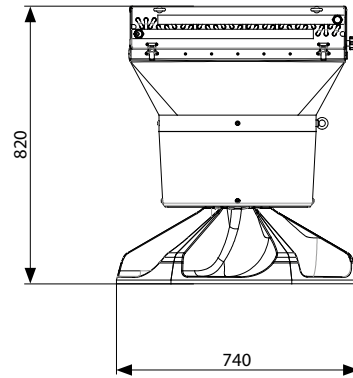
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ACCESSORIES

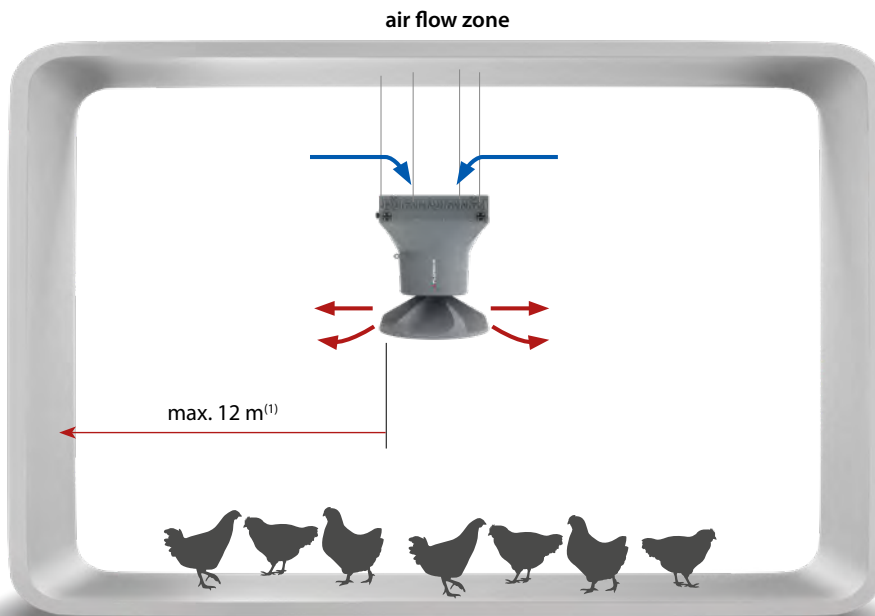
AGRO SP/HP AIR DIFFUSER

Material: plastic
Weight: 1,6 kg
AGRO SP/HP 6-sided air outlet distributes the air when heater is installed under the ceiling



AGRO SP/HP + AIR DIFFUSER

AIR FLOW ZONE AGRO SP/HP WITH DIFFUSER



⁽¹⁾ Range of horizontal isothermal air stream, at 0,5 m/s velocity limit

BENEFITS OF USING AGRO SP/HP AIR DIFFUSER:

- steady temperature distribution,
- better quality of bedding,
- lower level of humidity in the room.

CONTROL SYSTEM

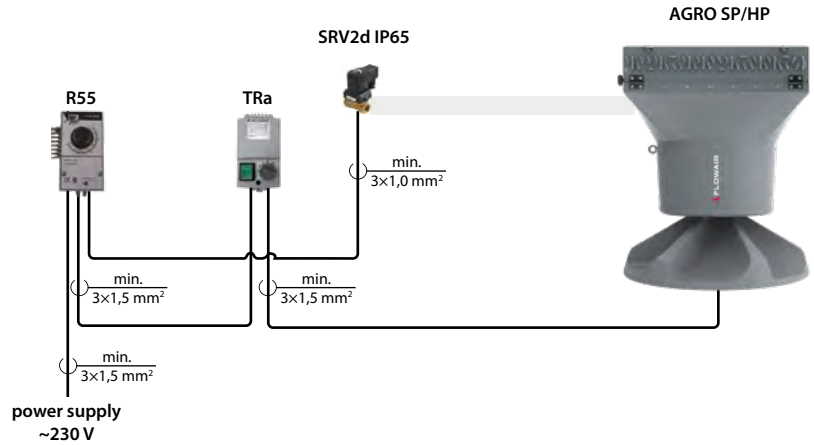
ON/OFF REGULATION

Fan heater is controlled by a room thermostat, which turns ON the unit when measured temperature drops below the set temperature.

FEATURES:

- low thermal inertia,
- low investment costs,
- easy to use,
- independent regulation of every single unit,
- gradual regulation of air flow.

The R55 thermostat controls valve and fan operation. Fan speed regulator TRa enables 5-step fan speed regulation.



ELEMENTS:

- R55 - room thermostat with increased protection degree IP55,
- TRa - 5-step fan speed regulation,
- SRV2d IP65 - two-way valve with actuator.

HEATING CAPACITIES

Tw1/Tw2 = 90/70°C					Tw1/Tw2 = 80/60°C					Tw1/Tw2 = 70/50°C					Tw1/Tw2 = 60/40°C					Tw1/Tw2 = 50/40°C				
Tp1	PT	Qw	Δpw	Tp2	Tp1	PT	Qw	Δpw	Tp2	Tp1	PT	Qw	Δpw	Tp2	Tp1	PT	Qw	Δpw	Tp2	Tp1	PT	Qw	Δpw	Tp2
[°C]	[kW]	[l/h]	[kPa]	[°C]	[°C]	[kW]	[l/h]	[kPa]	[°C]	[°C]	[kW]	[l/h]	[kPa]	[°C]	[°C]	[kW]	[l/h]	[kPa]	[°C]	[°C]	[kW]	[l/h]	[kPa]	[°C]
AGRO SP/HP = 3700 m³/h																								
0	56,2	2480	21,0	34,0	0	48,6	2140	16,0	29,5	0	41,0	1800	12,0	25,0	0	33,4	1450	10,0	20,5	0	31,2	2710	26,0	19,0
5	52,0	2290	18,0	37,0	5	44,5	1950	14,0	32,5	5	36,9	1620	10,0	28,0	5	29,4	1280	8,0	23,0	5	27,2	2370	21,0	22,0
10	47,8	2110	16,0	40,0	10	40,4	1780	12,0	35,5	10	33,0	1440	10,0	31,0	10	25,5	1110	8,0	26,0	10	23,4	2030	16,0	24,5
15	43,8	1930	13,0	43,0	15	36,4	1600	10,0	38,5	15	29,1	1270	8,0	33,5	15	21,6	940	6,0	29,0	15	19,6	1710	12,0	27,5
20	39,8	1750	11,0	46,0	20	32,6	1430	10,0	41,0	20	25,3	1110	8,0	36,5	20	17,9	780	4,0	31,5	20	15,9	1380	10,0	30,5
25	35,9	1580	9,0	49,0	25	28,7	1260	8,0	44,0	25	21,5	940	6,0	39,5	25	14,1	610	4,0	34,5	25	12,3	1070	7,0	33,0
30	32,1	1420	9,0	51,5	30	25,0	1100	7,0	47,0	30	17,8	780	4,0	42,0	30	10,3	450	4,0	37,0	30	8,7	750	6,0	36,0
35	28,4	1250	7,0	54,5	35	21,3	940	5,0	49,5	35	14,1	620	4,0	44,5	35	6,4	280	2,0	39,5	35	5,0	440	4,0	38,5

- V – air flow
- PT – heating capacity
- Tp1 – inlet air temperature
- Tp2 – outlet air temperature
- Tw1 – inlet water temperature
- Tw2 – outlet water temperature
- Qw – water stream flow in the heat exchanger
- Δpw – water pressure drop in the heat exchanger

WATER HEATERS AGRO ST



Heating capacity [kW]⁽¹⁾

6,6–43



Weight [kg]

21,8



Casing

Powder-painted steel with anti-corrosive coating



Air flow [m³/h]

3700



Colour⁽²⁾

Grey

⁽¹⁾ min: temperature of heating medium 40/30°C, air temperature at the inlet 20°C,
max: temperature of heating medium 90/70°C, air temperature at the inlet 0°C

⁽²⁾ casing RAL 7016 and air blades RAL 7040

APPLICATION

Poultry farms and other big cubature buildings with considerable pollution of air with solid particles, high humidity and corrosive environment. AGRO ST fan heaters are designed for horizontal installation with rotary console.

CHARACTERISTIC

Fan heater equipped with special fan with protection degree IP66 and aluminium-copper heat exchanger covered with protective coating resistant to corrosion. It is equipped with adjustable air blades and drip tray with drain plug for easy cleaning.

TECHNICAL DATA

Fan heater AGRO ST

	AGRO ST
Air flow [m ³ /h]	3700
Heating capacity ⁽¹⁾ [kW]	6,6–43
Power supply [V/Hz]	230/50
Max. current consumption [A]	1,8
Max. power consumption [W]	350
IP/ Insulation class	66
Max. acoustic pressure level ⁽²⁾ [dB(A)]	65,5
Max. air stream range ⁽³⁾ [m]	21
Max. heating water temperature [°C]	130
Max. operating pressure [MPa]	1,6
Weight of unit [kg]	21,8
Weight of unit filled with water [kg]	23,9

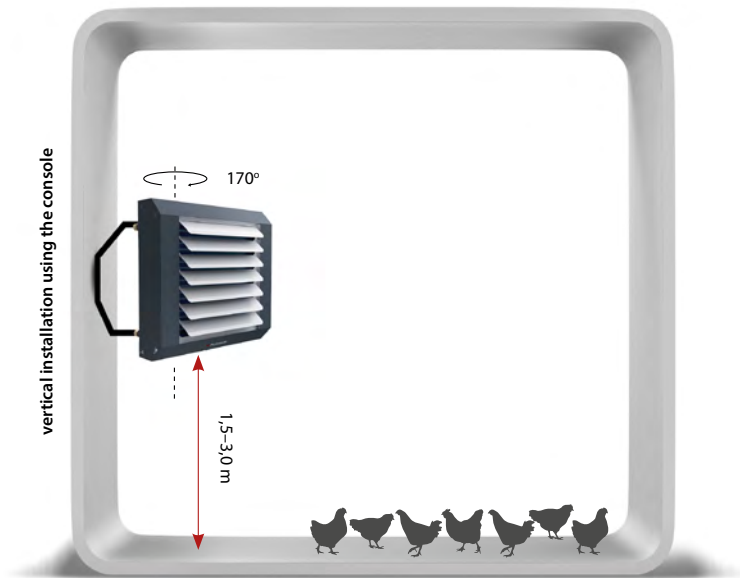
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max. - temperature of heating medium 90/70°C, air temperature at the supply to the device 0°C

⁽²⁾ acoustic pressure level has been measured 5 m from the unit in a 1500 m³ space with a medium sound absorption coefficient

⁽³⁾ range of horizontal isothermal air stream, at 0,5 m/s velocity limit



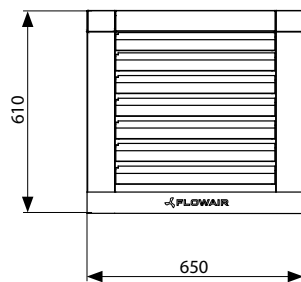
INSTALLATION



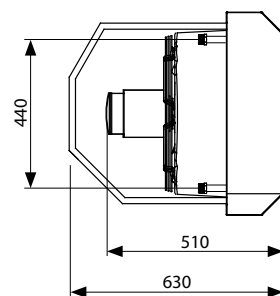
Rotary console AGRO ST

Rotary console AGRO ST enables 170° rotation of the device which lets you direct the air stream in any direction. Additionally, the console ensures easy access to the unit from any side.

DIMENSIONS



AGRO ST



For CAD drawings and documentation for all available versions of AGRO fan heaters visit www.flowair-agro.com



CONTROL SYSTEM

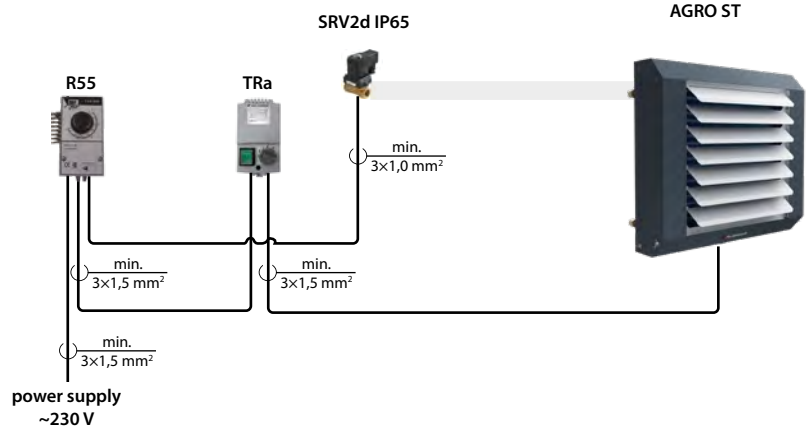
ON/OFF REGULATION

Fan heater is controlled by a room thermostat, which turns ON the unit when measured temperature drops below the set temperature.

FEATURES:

- low thermal inertia,
- low investment costs,
- easy to use,
- independent regulation of every single unit,
- gradual regulation of air flow.

The R55 thermostat controls valve and fan operation. Fan speed regulator TRa enables 5-step fan speed regulation.



ELEMENTS:

- R55 - room thermostat with increased protection degree IP55,
- TRa - 5-step fan speed regulation,
- SRV2d IP65 - two-way valve with actuator.

HEATING CAPACITIES

Tw1/Tw2 = 90/70°C					Tw1/Tw2 = 80/60°C					Tw1/Tw2 = 70/50°C					Tw1/Tw2 = 60/40°C					Tw1/Tw2 = 50/40°C				
Tp1	PT	Qw	Δpw	Tp2	Tp1	PT	Qw	Δpw	Tp2	Tp1	PT	Qw	Δpw	Tp2	Tp1	PT	Qw	Δpw	Tp2	Tp1	PT	Qw	Δpw	Tp2
[°C]	[kW]	[l/h]	[kPa]	[°C]	[°C]	[kW]	[l/h]	[kPa]	[°C]	[°C]	[kW]	[l/h]	[kPa]	[°C]	[°C]	[kW]	[l/h]	[kPa]	[°C]	[°C]	[kW]	[l/h]	[kPa]	[°C]
AGRO ST = 3700 m³/h																								
0	43,0	1890	20,0	32,5	0	37,2	1630	16,0	28,0	0	31,3	1370	13,0	23,5	0	25,4	1110	11,0	19,0	0	23,8	2070	26,0	18,0
5	39,7	1750	17,0	35,5	5	34,0	1490	15,0	31,0	5	28,2	1230	11,0	26,5	5	22,4	980	9,0	22,0	5	20,8	1810	21,0	21,0
10	36,6	1610	15,0	38,5	10	30,9	1360	13,0	34,0	10	25,1	1100	10,0	29,5	10	19,4	840	7,0	25,0	10	17,8	1550	18,0	24,0
15	33,5	1470	15,0	41,5	15	27,8	1220	11,0	37,0	15	22,2	970	8,0	32,5	15	16,4	720	7,0	28,0	15	15,0	1300	13,0	27,0
20	30,4	1340	12,0	44,5	20	24,9	1090	10,0	40,0	20	19,2	840	6,0	35,5	20	13,5	590	5,0	31,0	20	12,1	1050	10,0	30,0
25	27,5	1210	10,0	47,5	25	21,9	960	8,0	43,0	25	16,3	710	6,0	38,5	25	10,7	460	5,0	34,0	25	9,3	810	6,0	33,0
30	24,5	1080	10,0	50,5	30	19,1	840	6,0	46,0	30	13,5	590	5,0	41,5	30	7,8	340	3,0	36,5	30	6,6	570	4,0	35,5
35	21,7	950	8,0	53,5	35	16,2	710	6,0	49,0	35	10,7	470	5,0	44,0	35	4,8	210	3,0	39,0	35	3,8	330	3,0	38,0

- V – air flow
- PT – heating capacity
- Tp1 – inlet air temperature
- Tp2 – outlet air temperature
- Tw1 – inlet water temperature
- Tw2 – outlet water temperature
- Qw – water stream flow in the heat exchanger
- Δpw – water pressure drop in the heat exchanger



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