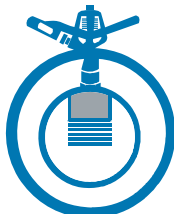
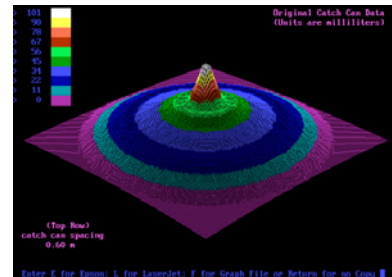
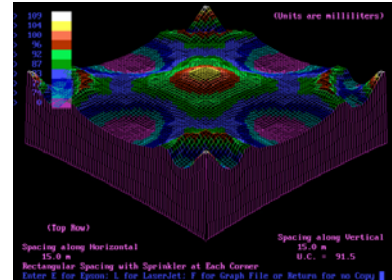
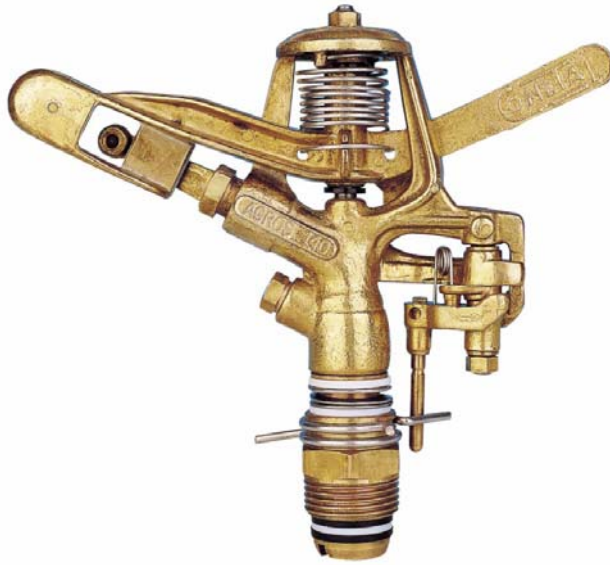
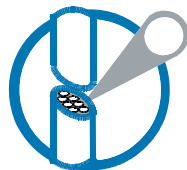


ROTARY SPRINKLER AGROS 140



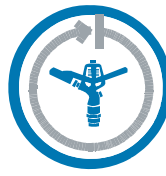
Conexión

3/4" BSP or NPT.
Male or female



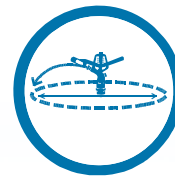
Material

Brass



Giro

Part Circle



Diámetro Regado

30 m. aprox.



Ángulo Boquilla
Principal

27°

DESCRIPTION

- **Material:** Brass.
- **Exes and springs:** Stainless steel
- **Rotation:** 1 Part circle
- **Nozzles:** One or two brass nozzles
- **Utility model:** Thanks to the special design of the crown, we can change the teeth pressure only screwing or unscrewing the upper nut. The Sprinkler is served with the adequate regulation. Diffuser pin optional.
- **Guarantee:** 2 years.

TECHNICAL SPECIFICATIONS

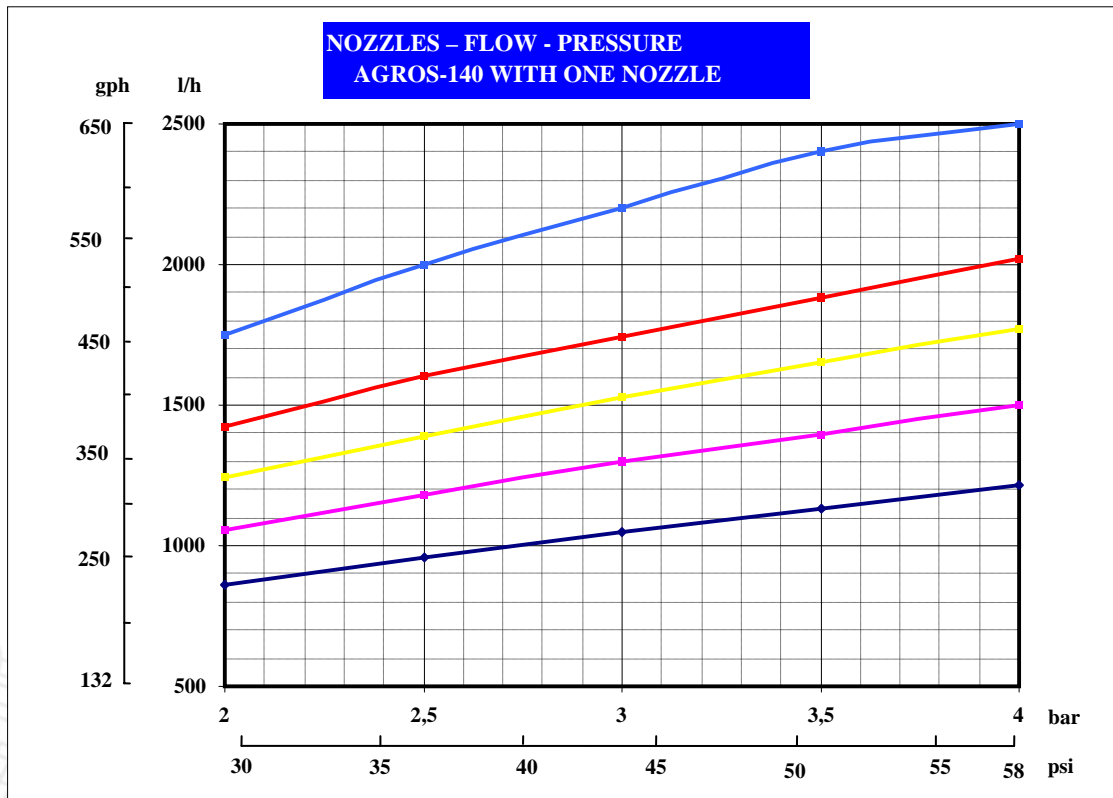
- **Connections:** 3/4" BSP, NPT, male or female thread.
- **Main nozzle angle:** 27°.
- **Working pressures range:** 200 to 400 kPa (from 29.00 to 58.00 psi).
- **Testing nominal flow range:** 860 to 2.500 l/h (3.78 to 11.00 gpm).
- **Irrigation diameter:** 25,30 to 32,60 m. (from 82.98 to 106.93 feet).

AGROS-140

- **Connection:** ¾" BSP, NPT, male or female thread.
- **Main nozzle angle:** 27°.
- **Working pressure range:** 200 to 400 kPa (from 29.00 to 58.00 psi).
- **Testing nominal flow range:**
 - One nozzle: 860 to 2.500 l/h (3.78 to 11.00 gpm).
- **Irrigation diameter:** 25,30 to 32,60 m (82.98 to 106.93 feet).



FLOW-PRESSURE CURVE



REFERENCE	DENOMINATION	NOZZLES	GRAPHIC COLOR
1AS44151	AG-140 5/32" + plug	4.0 mm + plug	—
1AS44111	AG-140 11/64" + plug	4.4 mm + plug	—
1AS44071	AG-140 3/64" + plug	4.4 mm + plug	—
1AS44021	AG-140 13/64" + plug	5.2 mm + plug	—
1AS44041	AG-140 7/32" + plug	5,6 mm + plug	—

COMETAL sprinklers fulfil the normative UNE 68-072-86 for rotary sprinklers.

AGROS-140

- **Connection:** 3/4" BSP, NPT, male or female thread.
- **Main nozzle angle:** 27°.
- **Working pressure range:** 200 to 400 kPa (from 29.00 to 58.00 psi).
- **Testing nominal flow range:**
 - One nozzle: 860 to 2.500 l/h (3.78 to 11.00 gpm).
- **Irrigation diameter:** 25,30 to 32,60 m (82.98 to 106.93 feet).



HYDRAULIC CHARACTERISTICS

1AS44151 AGROS-140 5/32" + plug (4,0 + 0,0 mm)						
Pressure (1bar = 100 kPa)		Flow		Revolutions	Irrigation Diameter*	
kPa	psi	l/h	gpm	rpm	m	feet
400	58.00	1225	5.39	1,37	27,80	91.18
350	50.75	1130	4.97	1,43	27,80	91.18
300	43.50	1050	4.62	1,46	26,70	87.57
250	36.25	956	4.21	1,55	26,70	87.57
200	29.00	860	3.78	1,46	25,30	82.98

*Sprinkler height: 0,6 m.

AGROS-140

- **Connection:** 3/4" BSP, NPT, male or female thread.
- **Main nozzle angle:** 27°.
- **Working pressure range:** 200 to 400 kPa (from 29.00 to 58.00 psi).
- **Testing nominal flow range:**
 - One nozzle: 860 to 2.500 l/h (3.78 to 11.00 gpm).
- **Irrigation diameter:** 25,30 to 32,60 m (82.98 to 106.93 feet).



HYDRAULIC CHARACTERISTICS

1AS44111 AGROS-140 11/64" + plug (4,4 + 0,0 mm)						
Pressure (1bar = 100 kPa)		Flow		Revolutions	Irrigation Diameter*	
kPa	psi	l/h	gpm	rpm	m	feet
400	58.00	1498	6.60	1,71	28,70	94.14
350	50.75	1393	6.13	1,74	28,60	93.81
300	43.50	1297	5.71	1,68	27,80	91.18
250	36.25	1181	5.20	1,74	27,10	88.88
200	29.00	1056	4.65	1,62	25,60	83.97

*Sprinkler height: 0,6 m.

AGROS-140

- **Connection:** 3/4" BSP, NPT, male or female thread.
- **Main nozzle angle:** 27°.
- **Working pressure range:** 200 to 400 kPa (from 29.00 to 58.00 psi).
- **Testing nominal flow range:**
 - One nozzle: 860 to 2.500 l/h (3.78 to 11.00 gpm).
- **Irrigation diameter:** 25,30 to 32,60 m (82.98 to 106.93 feet).



HYDRAULIC CHARACTERISTICS

1AS44071 AGROS-140 3/16" + plug (4,8 + 0,0 mm)						
Pressure (1bar = 100 kPa)		Flow		Revolutions	Irrigation diameter*	
kPa	psi	l/h	gpm	rpm	m	feet
400	58.00	1772	7.80	1,86	29,80	97.74
350	50.75	1654	7.28	1,92	28,90	94.79
300	43.50	1516	6.67	1,88	28,60	93.81
250	36.25	1388	6.11	1,92	28,00	91.84
200	29.00	1243	5.47	1,95	26,50	86.92

*Sprinkler height: 0,6 m.

AGROS-140

- **Connection:** 3/4" BSP, NPT, male or female thread.
- **Main nozzle angle:** 27°.
- **Working pressure range:** 200 to 400 kPa (from 29.00 to 58.00 psi).
- **Testing nominal flow range:**
 - One nozzle: 860 to 2.500 l/h (3.78 to 11.00 gpm).
- **Irrigation diameter:** 25,30 to 32,60 m (82.98 to 106.93 feet).



HYDRAULIC CHARACTERISTICS

1AS44021 AGROS-140 13/64" + plug (5,2 + 0,0 mm)						
Pressure (1bar = 100 kPa)		Flow		Revolutions	Irrigation diameter*	
kPa	psi	l/h	gpm	rpm	m	feet
400	58.00	2021	8.90	2,48	32,60	106.93
350	50.75	1882	8.28	2,38	31,40	103.00
300	43.50	1746	7.68	2,29	29,60	97.09
250	36.25	1601	7.04	2,26	28,20	92.50
200	29.00	1422	6.26	2,29	26,80	87.90

*Sprinkler height: 0,6 m.



AGROS-140

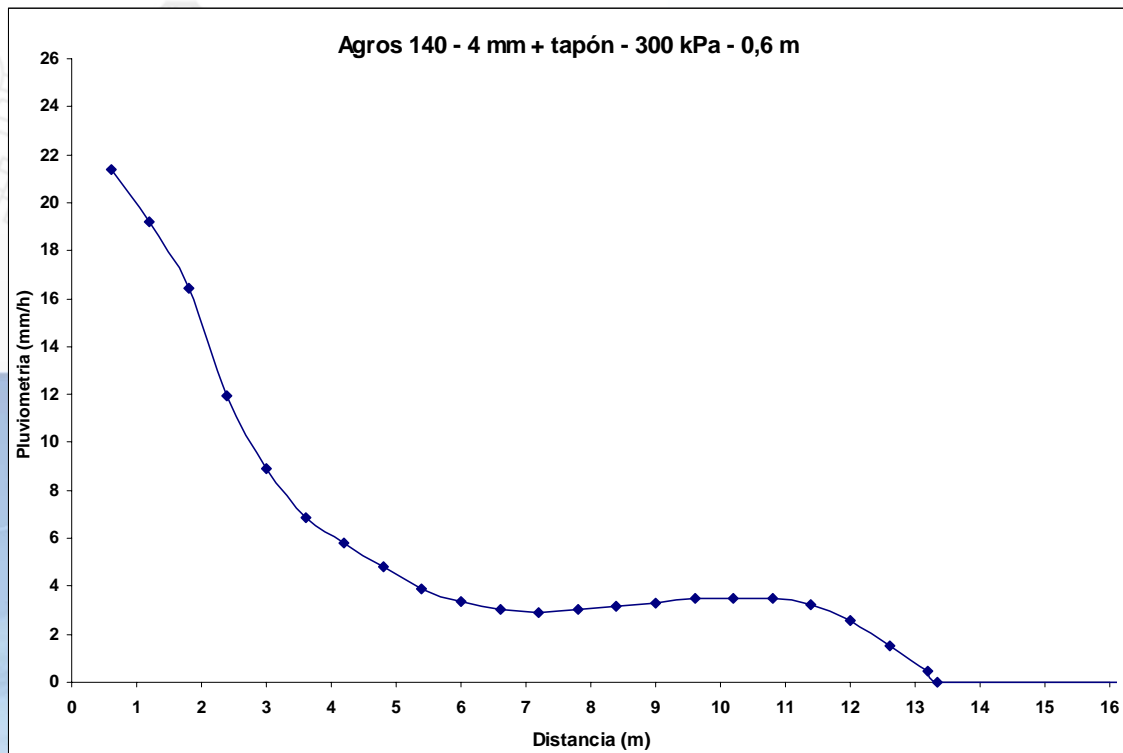
- **Connection:** 3/4" BSP, NPT, male or female thread.
- **Main nozzle angle:** 27°.
- **Working pressure range:** 200 to 400 kPa (from 29.00 to 58.00 psi).
- **Testing nominal flow range:**
 - One nozzle: 860 to 2.500 l/h (3.78 to 11.00 gpm).
- **Irrigation diameter:** 25,30 to 32,60 m (82.98 to 106.93 feet).

RADIAL CURVE

- Ref. 1AS44151 AGROS-140 5/32" + plug (4,0 + 0,0 mm)

Trademark	Cometal	First pluviometer (m)	0,6
Sprinkler Model	Agros 140	Air temperature (°C)	12,3
Nozzle(s)	4,0 mm + 0,0 mm	Relative Humidity (%)	77,0
Working Pressure (kPa)	300	Discharge unloaded (l/h)	1050
Height (m)	0,6	Test duration (min.)	60
Pluviometers numbers	22	Rotation speed (min.)	1,46
Distance between pluviometers (m)	0,6	Reach Radio (m)	13,35

Distance	(m)	0,60	1,20	1,80	2,40	3,00	3,60	4,20	4,80	5,40	6,00	6,60	7,20	7,80
Pluviom.	(mm/h)	21,36	19,20	16,44	11,96	8,90	6,89	5,83	4,83	3,92	3,37	3,02	2,92	3,02
Distance	(m)	8,40	9,00	9,60	10,20	10,80	11,40	12,00	12,60	13,20	13,80			
Pluviom.	(mm/h)	3,17	3,27	3,47	3,52	3,47	3,22	2,56	1,51	0,45	0,00			



AGROS-140

- **Connection:** 3/4" BSP, NPT, male or female thread.
- **Main nozzle angle:** 27°.
- **Working pressure range:** 200 to 400 kPa (from 29.00 to 58.00 psi).
- **Testing nominal flow range:**
 - One nozzle: 860 to 2.500 l/h (3.78 to 11.00 gpm).
- **Irrigation diameter:** 25,30 to 32,60 m (82.98 to 106.93 feet).

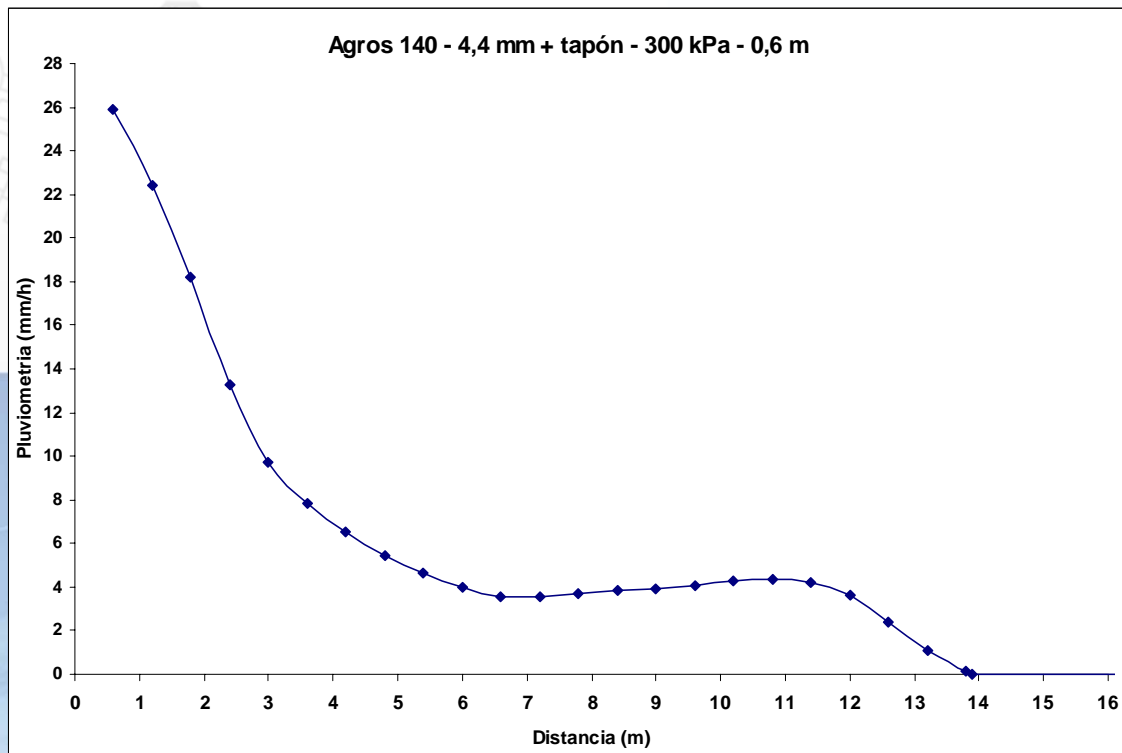


RADIAL CURVE

- Ref. 1AS44111 AGROS-140 1 1/4" + plug (4,4 + 0,0 mm)

Trademark	Cometal	First pluviometer (m)	0,6
Sprinkler Model	Agros 140	Air temperature (°C)	10,4
Nozzle(s)	4,4 mm + 0,0 mm	Relative Humidity (%)	77,7
Working Pressure (kPa)	300	Discharge unloaded (l/h)	1297
Height (m)	0,6	Test duration (min.)	60
Pluviometers numbers	23	Rotation speed (min.)	1,68
Distance between pluviometers (m)	0,6	Reach Radio (m)	13,90

Distance	(m)	0,60	1,20	1,80	2,40	3,00	3,60	4,20	4,80	5,40	6,00	6,60	7,20	7,80
Pluviom.	(mm/h)	25,89	22,42	18,20	13,27	9,75	7,84	6,53	5,43	4,62	3,97	3,57	3,52	3,67
Distance	(m)	8,40	9,00	9,60	10,20	10,80	11,40	12,00	12,60	13,20	13,80	13,90		
Pluviom.	(mm/h)	3,82	3,92	4,07	4,27	4,37	4,22	3,62	2,36	1,11	0,15	0,00		



AGROS-140

- **Connection:** 3/4" BSP, NPT, male or female thread.
- **Main nozzle angle:** 27°.
- **Working pressure range:** 200 to 400 kPa (from 29.00 to 58.00 psi).
- **Testing nominal flow range:**
 - One nozzle: 860 to 2.500 l/h (3.78 to 11.00 gpm).
- **Irrigation diameter:** 25,30 to 32,60 m (82.98 to 106.93 feet).

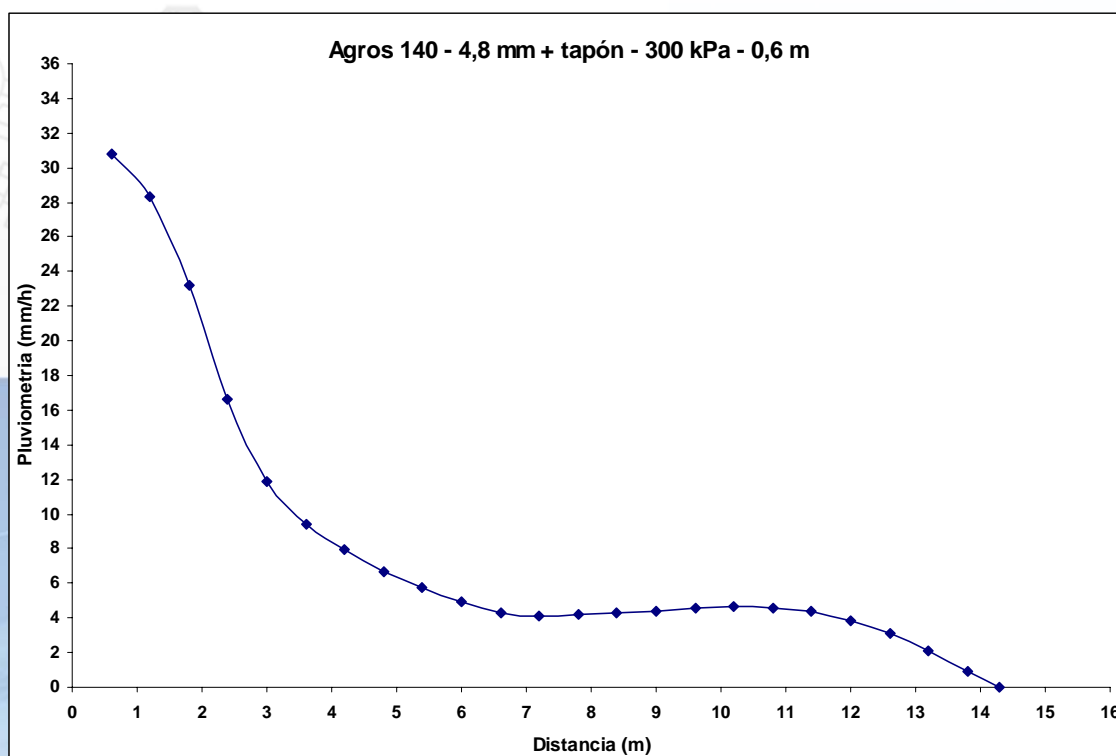


RADIAL CURVE

- Ref. 1AS44071 AGROS-140 3/16"+ plug (4,8 + 0,0 mm)

Trademark	Cometal	First pluviometer (m)	0,6
Sprinkler Model	Agros 140	Air temperature (°C)	11,0
Nozzle(s)	4,8 mm + 0,0 mm	Relative Humidity (%)	76,3
Working Pressure (kPa)	300	Discharge unloaded (l/h)	1516
Height (m)	0,6	Test duration (min.)	60
Pluviometers numbers	23	Rotation speed (min.)	1,88
Distance between pluviometers (m)	0,6	Reach Radio (m)	14,30

Distance	(m)	0,60	1,20	1,80	2,40	3,00	3,60	4,20	4,80	5,40	6,00	6,60	7,20	7,80
Pluviom.	(mm/h)	30,76	28,35	23,22	16,64	11,86	9,40	7,94	6,69	5,73	4,93	4,32	4,12	4,17
Distance	(m)	8,40	9,00	9,60	10,20	10,80	11,40	12,00	12,60	13,20	13,80	14,40		
Pluviom.	(mm/h)	4,27	4,42	4,52	4,62	4,57	4,37	3,87	3,12	2,06	0,96	0,00		



AGROS-140

- **Connection:** 3/4" BSP, NPT, male or female thread.
- **Main nozzle angle:** 27°.
- **Working pressure range:** 200 to 400 kPa (from 29.00 to 58.00 psi).
- **Testing nominal flow range:**
 - One nozzle: 860 to 2.500 l/h (3.78 to 11.00 gpm).
- **Irrigation diameter:** 25,30 to 32,60 m (82.98 to 106.93 feet).



RADIAL CURVE

- Ref. 1AS44021 AGROS-140 13/64" + plug (5,2 + 0,0 mm)

Trademark	Cometal	First pluviometer (m)	0,6
Sprinkler Model	Agros 140	Air temperature (°C)	10,2
Nozzle(s)	5,2 mm + 0,0 mm	Relative Humidity (%)	62,7
Working Pressure (kPa)	300	Discharge unloaded (l/h)	1746
Height (m)	0,6	Test duration (min.)	60
Pluviometers numbers	24	Rotation speed (min.)	2,29
Distance between pluviometers (m)	0,6	Reach Radio (m)	14,80

Distance	(m)	0,60	1,20	1,80	2,40	3,00	3,60	4,20	4,80	5,40	6,00	6,60	7,20	7,80
Pluviom.	(mm/h)	29,36	26,54	23,38	17,49	13,07	10,76	9,15	7,89	6,79	5,93	5,28	4,98	5,03
Distance	(m)	8,40	9,00	9,60	10,20	10,80	11,40	12,00	12,60	13,20	13,80	14,40	14,80	
Pluviom.	(mm/h)	5,08	5,23	5,13	5,23	5,08	4,68	4,12	3,42	2,71	1,51	0,55	0,00	

