

CM-47

- ✓ **UTILITY MODEL:** Thanks to the special design of the crown, we can change the tooth pressure only screwing and unscrewing the upper nut. The sprinkler is served with the adequate regulation.
- ✓ **FULL CIRCLE** sprinkler
- ✓ **NOZZLES:** One or two plastic or brass nozzles.



CHARACTERISTICS



Conexión/Connection

3/4" BSP or NPT.
Male



Material/Material

POM



Giro/Rotation

Full circle 360°



Diámetro/Diameter

30 m. aprox



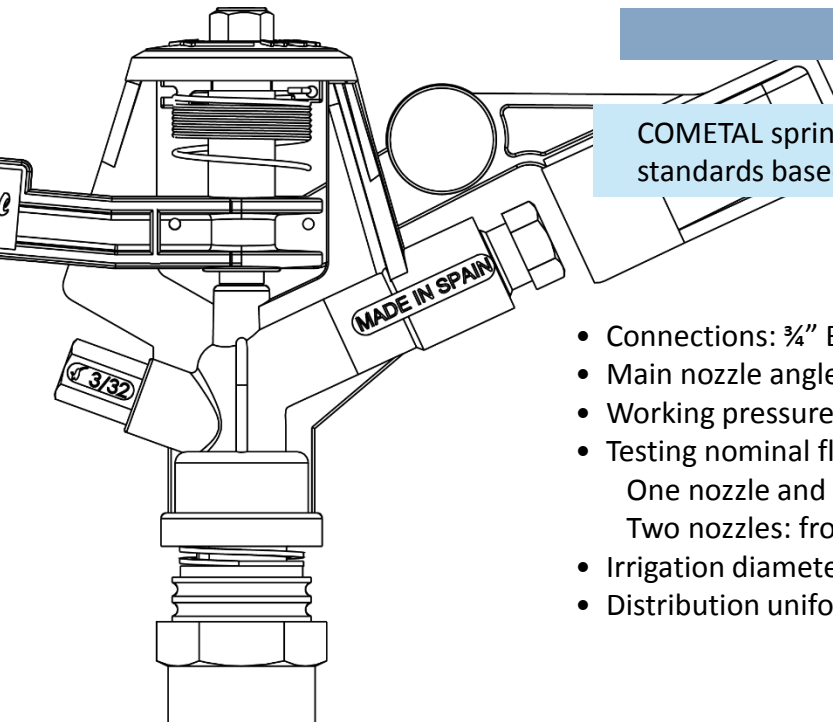
Ángulo/Angle

27°

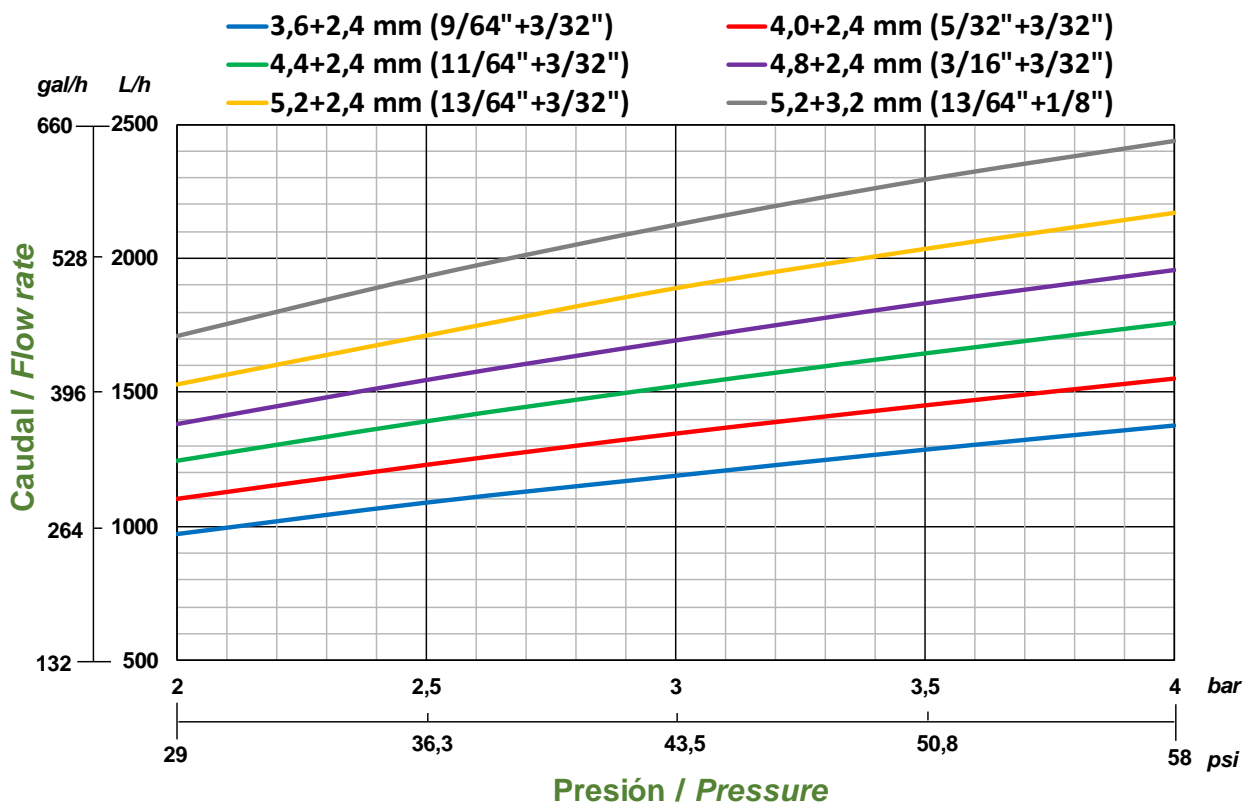
SPECIFICATIONS

COMETAL sprinklers comply with **UNE 68072**, **15886 ISO** and **ISO 7749** standards based on general requirements and test methods.

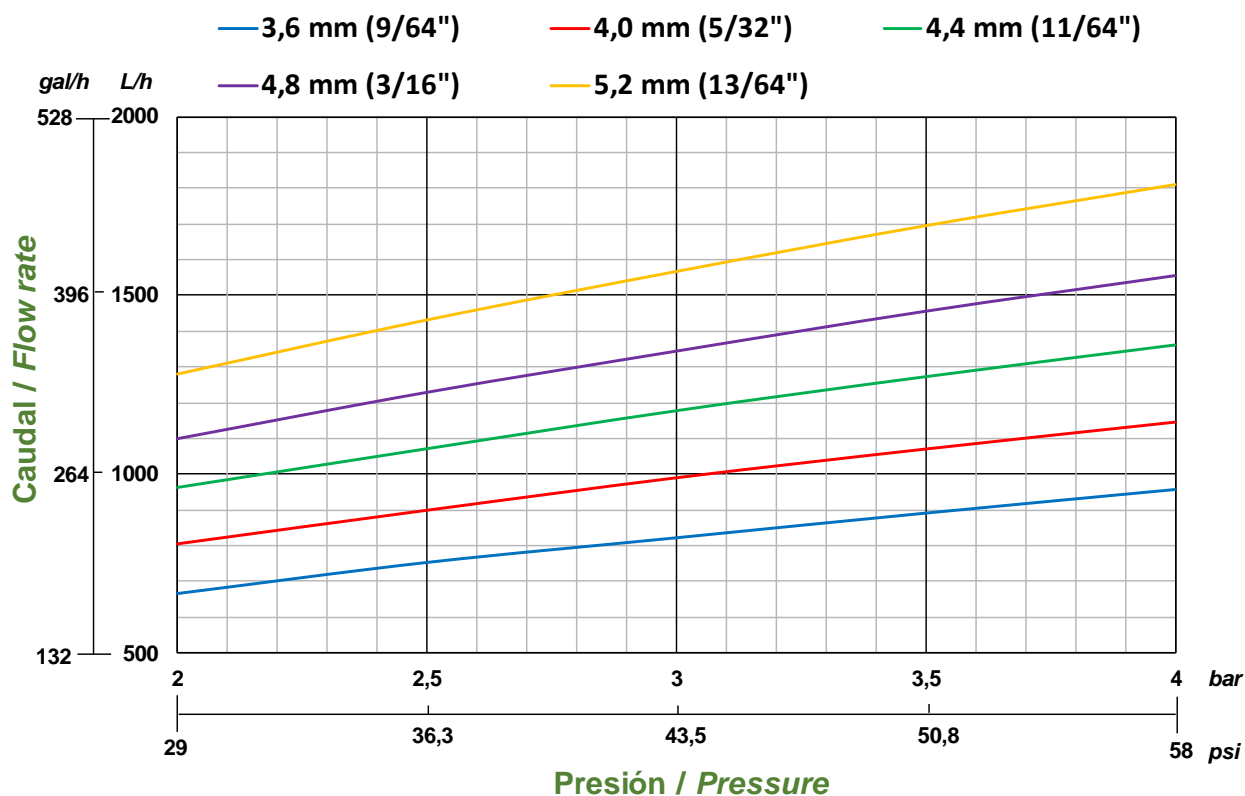
- Connections: 3/4" BSP, NPT, male thread.
- Main nozzle angle: 27°.
- Working pressures range: from 200 to 400 KPa (from 29.00 to 58.00 psi).
- Testing nominal flow range:
 - One nozzle and plug: from 660 to 1.810 l/h (174-478 gph).
 - Two nozzles: from 970 l/h to 2.440 l/h (256-645 gph).
- Irrigation diameter: from 25,20 to 31,20 (from 82.68 to 102.37 feet).
- Distribution uniformity coefficient (CUD): until 97%.



TWO NOZZLES



ONE NOZZLE AND PLUG



AGROS-47 11/64" + 3/32" (4,4 + 2,4 mm)

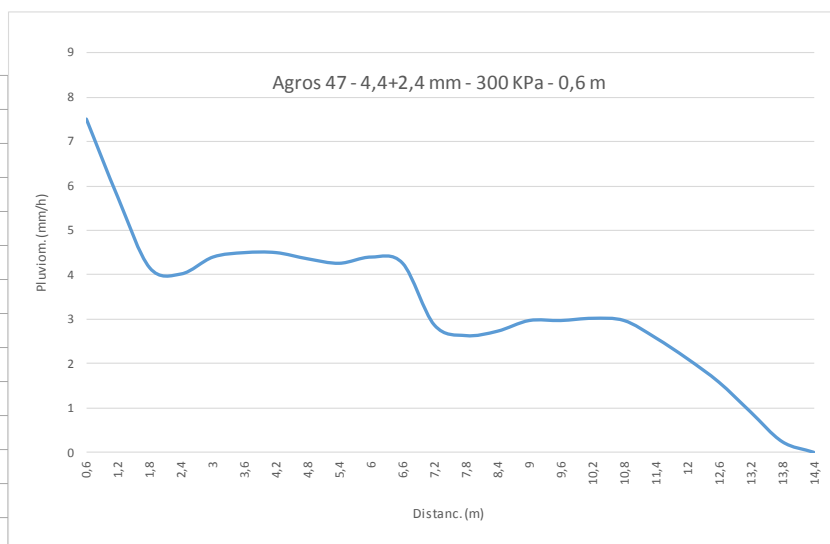
* For other combinations, consult with Technical Department

Pressure (1bar = 100 kPa)		Flow rate		Revolutions	Irrigated diameter		Irrigation frame		CUD*
kPa	psi	l/h	gpm		m	feet	m x m	feet x feet	
400	58.00	1805	7,94	1,82	27,60	90,56	12 x 12	39,37 X 39,37	91,0
							12 x 15	39,37 X 49,21	89,2
							12 x 18	39,37 X 59,05	90,8
							15 x 15	49,21 X 49,21	88,1
							15 x 18	49,21 X 59,05	88,5
							18 x 18	59,05 X 59,05	88,3
300	43.50	1695	7,46	1,94	27,60	90,56	12 x 12	39,37 X 39,37	92,3
							12 x 15	39,37 X 49,21	87,4
							12 x 18	39,37 X 59,05	89,4
							15 x 15	49,21 X 49,21	85,5
							15 x 18	49,21 X 59,05	87,6
							18 x 18	59,05 X 59,05	87,9
200	29.00	1550	6,82	1,98	26,40	86,62	12 x 12	39,37 X 39,37	90,4
							12 x 15	39,37 X 49,21	79,8
							12 x 18	39,37 X 59,05	84,3
							15 x 15	49,21 X 49,21	78,2
							15 x 18	49,21 X 59,05	81,4
							18 x 18	59,05 X 59,05	80,2
							18 x 15T	59,05 X 49,21T	79,5

*Distribution uniformity coefficient CUD. It is used the one defined by J.E. Christiansen.

RADIAL CURVE

Trademark	Cometal
Sprinkler model	Agros 47
Nozzle(s)	4,4 mm + 2,4 mm
Working Pressure(kPa)	300
High (m)	1.0
Pluviometers numbers	23
Distance between Pluviometers (m)	0,6
First Pluviometer (m)	0,6
Air Temperature (°C)	13.5
Relative Humidity (%)	76.7
Discharge Unloaded (l/h)	1695
Test duration (min)	60
Rotation Speed (min)	1,94
Reach Radio (m)	14,00



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)	7,51	5,74	4,16	4,02	4,40	4,50	4,50	4,36	4,26	4,40	4,26	2,87	2,63
Distance	(m)	8,40	9,00	9,60	10,20	10,80	11,40	12,00	12,60	13,20	13,80	14,20		
Pluviom.	(mm/h)	2,73	2,97	2,97	3,02	2,97	2,58	2,11	1,58	0,91	0,24	0,00		