Aquasonis® N1X

WATER NETWORK (C&I) & IRRIGATION

- **4x** Transducers
- DN50 to DN300
  - Cast Iron Body with Potable water paint
  - S.Steel with Fixed Flanges - PN16 EN1092-1
  - S.Steel with Removale Flanges - PN16 EN1092-2



MATERIALS

316L

EN-GJS-400



Upto 2xD cell

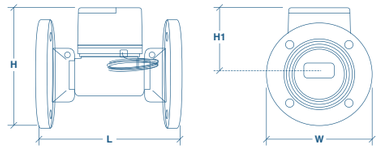
Versatile pipe configurations

High-Stability metering

Adds-On: Pressure, Temp or Quality sensor

MECHANICAL

Dimensions	mm	50	65	80	100	125	150	200	250	300
	inch	2	2 1/2	3	4	5	6	8	10	12
Total Lenght (L)	mm	200	200	225	250	250	300	350	450	500
Height (H1)	mm	97	103	108	115	127	134	152	170	185
Max. Height (H)	mm	200	200	225	250	250	300	350	406	489
Width (W)	mm	165	185	200	220	240	260	340	400	450



		DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300
Q start	l/h	12.5	20	31.5	50	80	125	200	315	500
Q1	l/h	25	40	63	100	160	250	400	630	1000
Q2	l/h	40	64	101	160	256	400	640	1008	1600
Q3	m³/h	25	40	63	100	160	250	400	630	1000
Q4	m³/h	31.25	50	79	125	200	312.5	500	788	1250
R	Q3/Q1	Up to 1500								
Δp @Q3 mBar		Δp16 (≤0.16 bar)								

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Full datasheet available.
Contact us for more information.

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Hidria Gonvarri Industries

WATERMETER.HIDRIA.COM

Hidria Gonvarri Industries

Aquasonis® N1&N1X



BUILT FOR SMART CITIES. READY FOR THE FUTURE.



ACCURATE & SMART

- Outstanding metrology performances in any installation position
- LoraWAN, wM-Bus, M-Bus, NB-IoT, Pulse, Bluetooth
- Datalog up to 20 years
- Extended alarms

MODULAR & DURABLE DESIGN

- Supports Local Manufacturing
- High robustness to dust
- Tamper proof
- 16y lifetime
- Up to 70°C

VARIANTS

- Stainless Steel pipe
- Cast Iron pipe
- Brass pipe
- Double or Single Ultrasonic Beam

HIGHLY CUSTOMIZABLE

- Battery size
- Replaceable battery
- Pressure sensing
- Water quality Sensing

Aquasonis® N1

WATER NETWORK (C&I) & IRRIGATION

- **2x** Transducers
- DN50 to DN300
  - Cast Iron Body with Potable water paint
  - Fixed Flanges - PN16 EN1092-2



MATERIALS

EN-GJS-400



- 1xC to 2xD cell
- IP68 with replaceable battery
- Cost-efficient solution
- Robust design for C&I applications

LARGE RESIDENTIAL & COMMERCIAL

- **2x** Transducers
- DN25 to DN50
  - Brass or Stainless steel Pipe
  - Threaded Connections

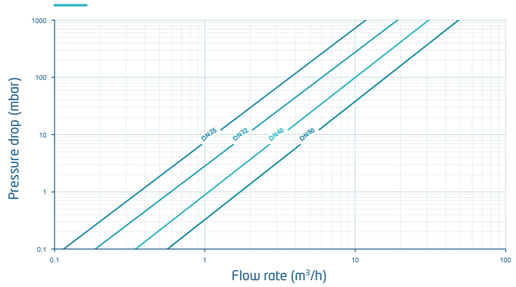


MATERIALS

CW724R

316L

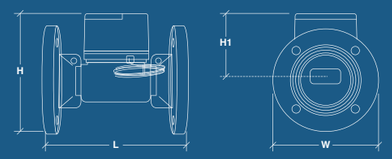
PRESSURE DROP VS. FLOW RATE





MECHANICAL

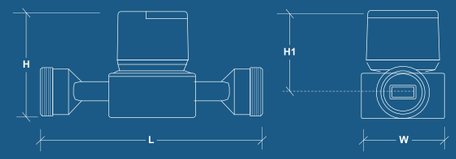
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Total Lenght (L)	mm	200	200	225	250	250	300	350	450	500
Height (H1)	mm	97	103	108	115	127	134	152	170	185
Max. Height (H)	mm	200	200	225	250	250	300	350	406	489
Width (W)	mm	165	185	200	220	240	260	340	400	450



		DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300
Q start	l/h	25	40	63	100	160	250	400	620	1000
Q1	l/h	50	80	126	200	320	500	800	1260	2000
Q2	l/h	80	128	202	320	512	800	1280	2016	3200
Q3	m³/h	25	40	63	100	160	250	400	630	1000
Q4	m³/h	31.25	50	79	125	200	312.5	500	788	1250
R	Q3/Q1	Up to 1000								
Δp @Q3 mBar		Δp63 (≤0.63 bar)								

MECHANICAL

Dimensions	mm	25	32	40	50
	inch	1	1 3/4	1 1/2	2
Lenght (L)	mm	260	260	300	300
Height (H1)	mm	87	87	90	90
Max. Height (H)	mm	110	110	120	130
Width (W)	mm	95	95	102	102



		DN25	DN32	DN40	DN50
Q start	l/h	3.15	5	8	12.5
Q1	l/h	6.3	10	16	25
Q2	l/h	25.2	20	32	50
Q3	m³/h	6.3	10	16	25
Q4	m³/h	7.78	12.5	20	31
R	Q3/Q1	Up to R1000			
Δp @Q3		Δp10 (≤0.10 bar)			

