



EASY MAX EASY MAX A 2" to 4"



Automatic Backwash Filter
50, 100, 200, 500 micron

Technical Sheet



The high flow Culligan **EASY MAX** (semiautomatic self-cleaning filters) and **EASY MAX A** filters (automatic self-cleaning filters) ensures a perfect micrometric water filtration in all commercial and industrial systems.

They are suitable for the filtration of water with high impurities (sand, silt, rust, etc).

The raw inlet water passes through the stainless steel filter element which stops the impurities suspended in the water. The filter mesh is completely cleaned by a special Turbo-clean rotor, which sends calibrated jets of water, under pressure, against the filter mesh.

The filter is provided with a double closure: the first closure is a ball-valve controlled by an electro-mechanical system and the second closure is controlled by a solenoid valve. At the end of each cleaning cycle the solenoid valve frees and drops a sphere which closes the safety

discharge. If the electro-mechanical system, for any reason whatsoever, does not close the first valve (electrical power missing, mechanical breakage, processor fault) the flow is interrupted by the safety sphere. All materials are certified for foodstuffs and suitable for contact with potable water according to the most rigorous European regulations.

During the cleaning cycle filtered water flow is always guaranteed to service.

The backwashing of the **EASY MAX** can be easily carried out, in a few seconds, using a manual control valve.

The backwashing of the **EASY MAX A** is automatically time controlled in a range of 1...999 hours for 60 seconds

The Easy Max A can also operate the backwash on pressure drop, for this option a deferential pressure switch up grade is required.

About Culligan

For over seventy years Culligan has led the way in water treatment technology supplying our customers with safe high quality water for drinking, cooking, cleaning, bathing and manufacturing, from the smallest to the largest applications, commercial and industrial market sectors.

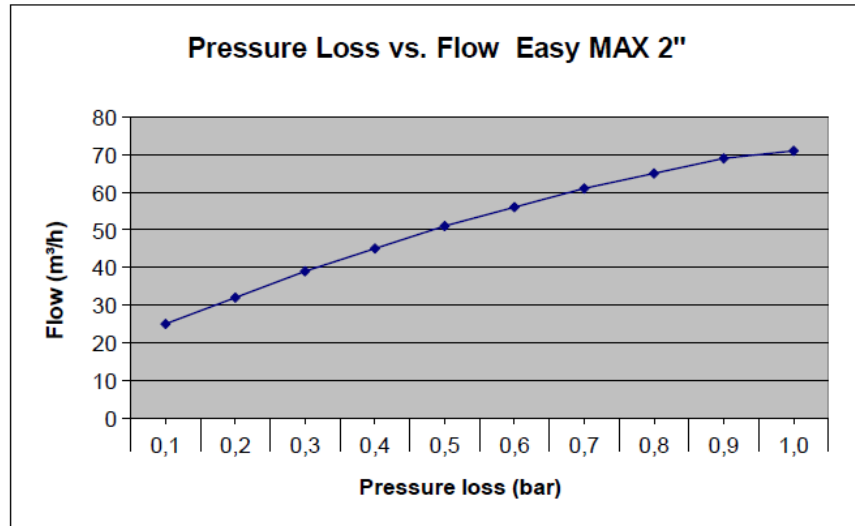
The Culligan products and technology used in these applications represent an ongoing commitment to delivering the very best water treatment solutions for our customers. As a result of continuous development and review, the Culligan range is one of the most comprehensive available within the market today.

	2"	2 ½"	3"	4"
Dimension: EASY MAX Ø x h mm	317 x 332	252 x 332	252 x 344	252 x 344
Dimension: EASY MAX A Ø x h mm	317 x 346	252 x 346	252 x 358	252 x 358
Shipping weight EASY MAX Kg	10,5	15,5	13,5	14,5
Shipping weight EASY MAX A Kg	11	13	14	15
Flow rate with $\Delta P = 0.2$ bar (m ³ /h)	30	38	44/50	48/52
BSP / DN	BSP	DN65	DN80	DN100
Ambient min/max (°C)	5 – 40			
Water min/max (°C)	5 – 90			
PN (bar)	16			
Filtration level (µm)	50 – 100 – 200 – 500			
Minimum working pressure (bar)	1.5			
Water usage for backwash at 3 bar EASY MAX (l)	6			
Water usage for backwash at 3 bar EASY MAX A (l)	15			
Discharge attachment	DN50			
Water used for backwash	Pre-filtered			
Time backwash (EASY MAX-A)	60 seconds			
Backwash filter element	TurboClean rotor with forced and calibrated jets			
Power supply (EASY MAX A)	220V~ 24V – 50 Hz Shuko plug - Power cable length 2 m (about)			
Power absorption (EASY MAX A)	18 W			
Protection level (EASY MAX A)	IP20			

PRESSURE LOSS GRAPHIC

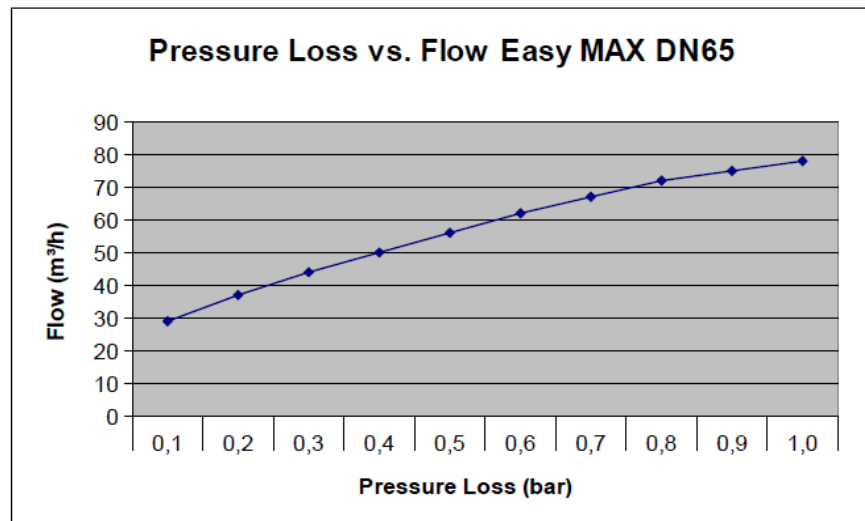
EASY MAX - EASY MAX A 2"

Bar	m3/hr
0,1	25
0,2	32
0,3	39
0,4	45
0,5	51
0,6	56
0,7	61
0,8	65
0,9	69
1,0	71



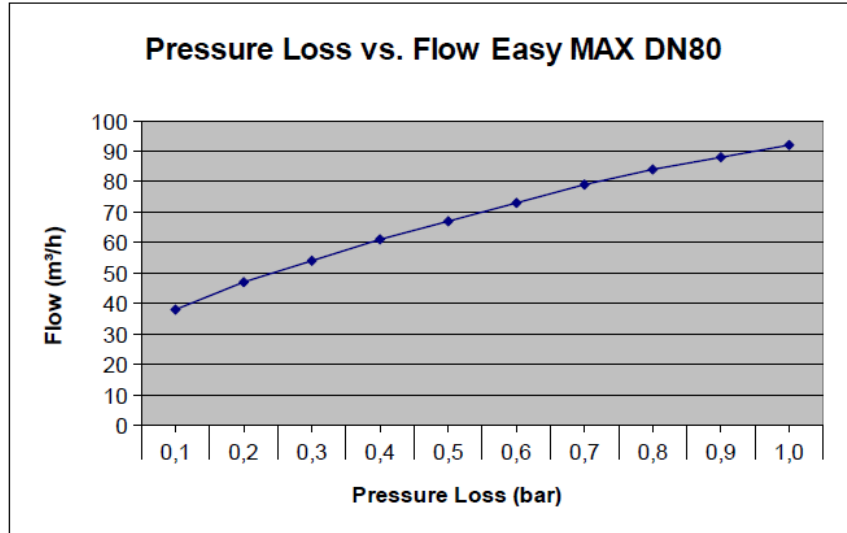
EASY MAX - EASY MAX A 2 1/2"

Bar	m3/hr
0,1	29
0,2	37
0,3	44
0,4	50
0,5	56
0,6	62
0,7	67
0,8	72
0,9	75
1,0	78



EASY MAX - EASY MAX A 3"

Bar	m3/hr
0,1	38
0,2	47
0,3	54
0,4	61
0,5	67
0,6	73
0,7	79
0,8	84
0,9	88
1,0	92



EASY MAX - EASY MAX A 4"

Bar	m3/hr
0,1	40
0,2	49
0,3	56
0,4	63
0,5	69
0,6	75
0,7	81
0,8	86
0,9	90
1,0	94

