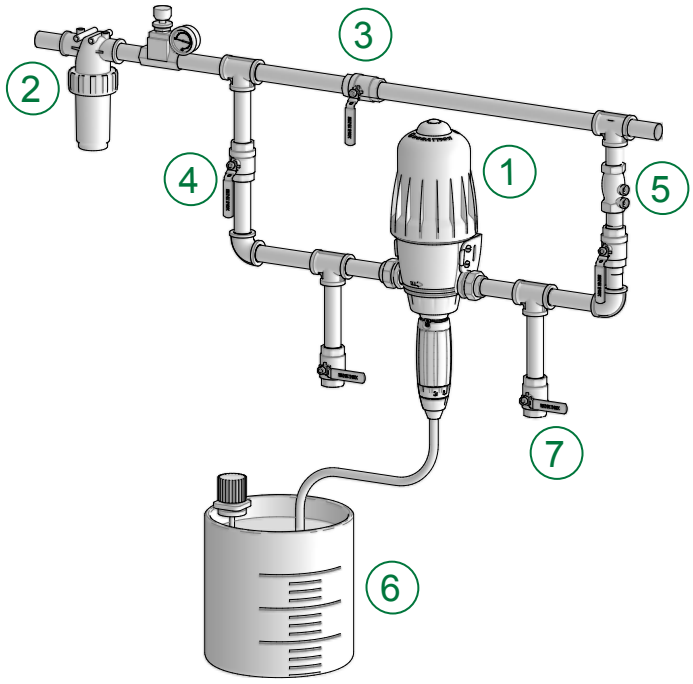
D3GL

The fertigation reference

- An optimized design
- Really adapted to evolution of practices and treaments
- Highly ergonomic adjustment

STANDARD INSTALLATION

1. D3GL
2. Main filter
3. Main valve
4. Dosing valve
5. Non-return valve
6. Stock solution
7. Fast priming, sampling and rinsing

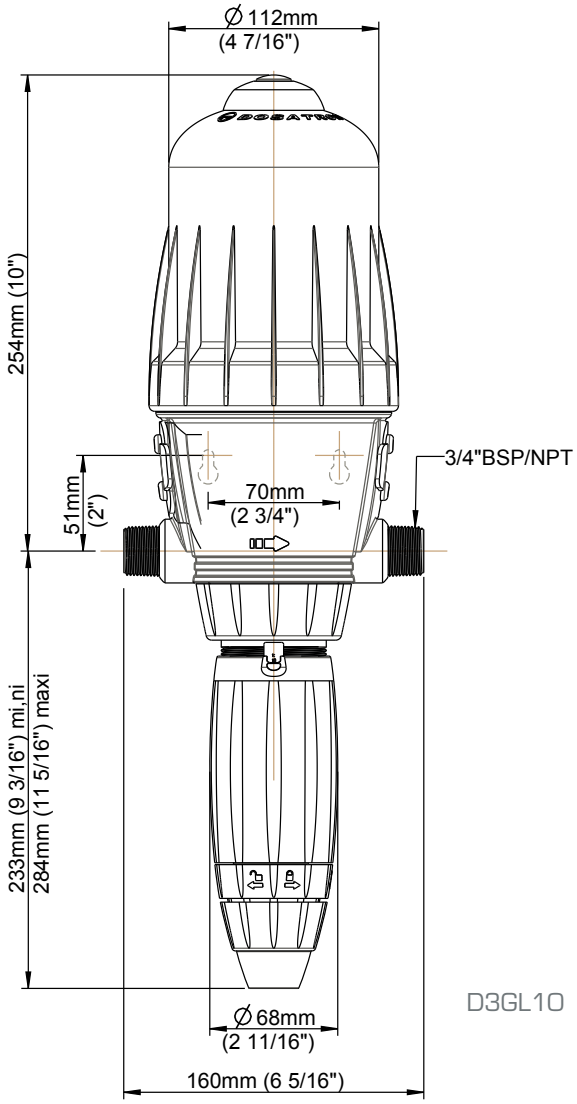


SPECIFICATIONS

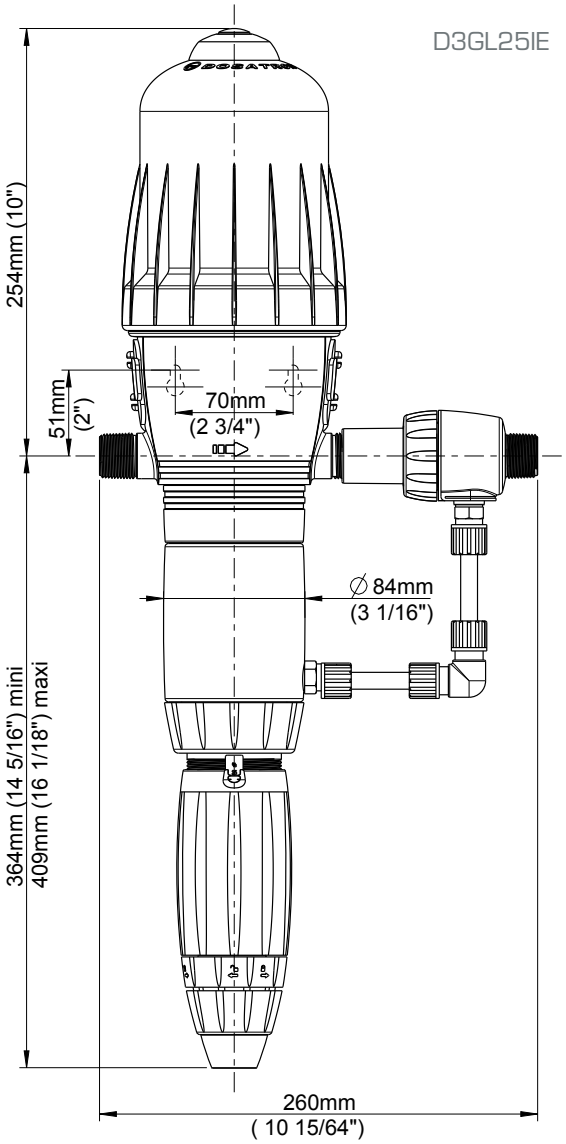
		D3GL3000		D3GL2		D3GL5		D3GL10		D3GL25IE	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
Operating water flow	l/h	10	3000	10	3000	10	3000	10	3000	10	2000
	m^3/h	0.01	3	0.01	3	0.01	3	0.01	3	0.01	2
	gpm	0.044	13.208	0.044	13.208	0.044	13.208	0.044	13.208	0.044	8.806
Operating pressure	bar	0.3	6	0.3	6	0.3	6	0.5	6	0.5	4
	psi	4.3	87	4.3	87	4.3	87	7.25	87	7.25	58
Pressure loss	bar	0.4	1.45	0.25	1.25	0.35	1.9	0.4	2.6	0.60	2.60
	psi	5.80	21.03	3.63	18.13	5.08	27.56	5.80	37.71	8.70	37.71
Adjustable dosing	%	0.03	0.3	0.2	2	0.5	5	1	10	5	25
	1:	3 000	333	500	50	200	20	100	10	20	4
	ppm	300	3000	2000	20000	5000	50000	100000	50000	50000	250000
Injection flow rate	l/h	0.003	9	0.02	60	0.05	150	0.1	300	0.5	500
	gpm		0.039		0.264		0.66		1.321		2.201
	US FL. oz/min	0.0017	4.99	0.011	33.8	0.028	84.48	0.056	169.09	0.282	281.73

REQUIREMENTS

dimensions in mm



D3GL10



D3GL25IE

		D3GL3000		D3GL2		D3GL5		D3GL10		D3GL25IE	
Pump weight	kg	1.6		1.7		1.8		2		3.3	
	lbs	3.52		3.75		3.97		4.41		7.27	
Pump dimensions		**cm**	**inch**	**cm**	**inch**	**cm**	**inch**	**cm**	**inch**	**cm**	**inch**
	Diameter	11.2	4 7/16"	11.2	4 7/16"	11.2	4 7/16"	11.2	4 7/16"	11.2	4 7/16"
	Height	53	21	48.5	19 3/32"	53.8	21 3/16"	53.8	21 3/16"	66	26 1/8"
	Width	16	6 5/16"	16	6 5/16"	16	6 5/16"	16	6 5/16"	26	10 15/64"
Packaging weight	kg	2.20		2.20		2.43		2.60		3.72	
	lbs	4.85		4.85		5.36		5.73		8.20	
Packaging dimensions		**cm**	**inch**	**cm**	**inch**	**cm**	**inch**	**cm**	**inch**	**cm**	**inch**
	Lenght	55.2	21 7/8"	55.2	21 7/8"	55.2	21 7/8"	55.2	21 7/8"	68	26 3/4"
	Height	16.5	6 5/8"	16.5	6 5/8"	16.5	6 5/8"	16.5	6 5/8"	16.5	6 5/8"
	Width	14.5	5 3/4"	14.5	5 3/4"	14.5	5 3/4"	14.5	5 3/4"	14.5	5 3/4"

FEATURES

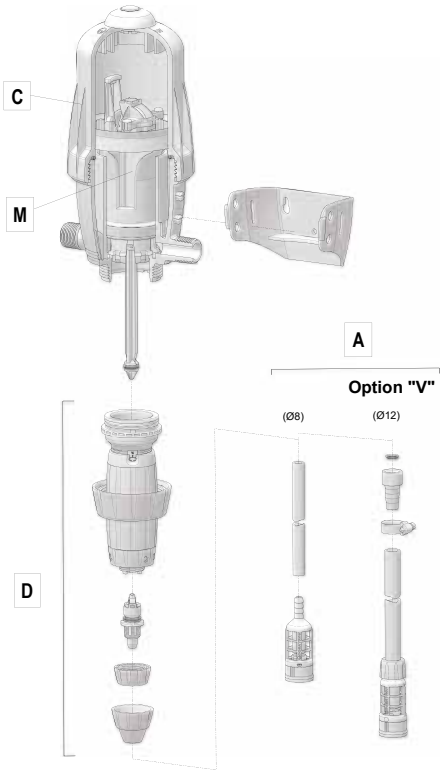
		D3GL	
		Min	Max
Operating temperature	°C	5	40
	°F	41	104
Motor capacity	L	0.53	
	US gallon	0.14	
Water flow calculation	Number of clacks in 15 seconds	l/h	gpm
	2	127	0.56
	4	254	1.12
	8	509	2.24
	16	1018	4.48
	32	2035	8.95
	46	2926	12.87
Connections	Type	BSPT/NPT M Ø 20x27 mm	
	Inch	3/4"	

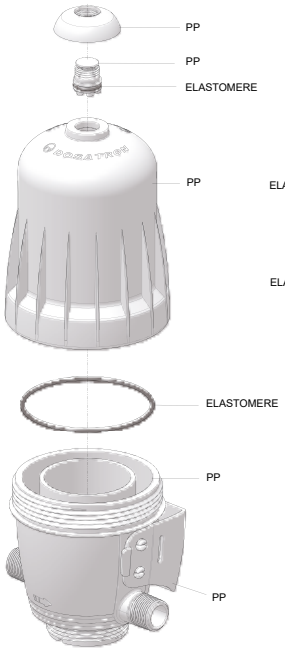
EQUIPMENTS

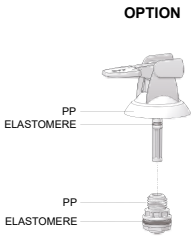
		D3GL3000		D3GL2		D3GL5		D3GL10		D3GL25IE	
		Serial	Optional	Serial	Optional	Serial	Optional	Serial	Optional	Serial	Optional
Dosing seals	VF	x		x		x		x		x	
	FFKM		x		x		x		x		x
PVDF			x		x		x		x		x
Air bleed		x		x		x		x		x	
Manual by-pass			x		x		x		x		x
Automatic by-pass			x		x		x		x		x
Wall mount		x		x		x		x		x	
Suction hose	length (m)	1.75		1.75		1.75		1.75		1.75	
	diameter (mm)	4 x 6		8 x 12		12 x 16		16 x 22		16 x 22	
Strainer	filter 100µ							x		x	
	filter 300µ		x		x		x				
Viscosity kit					x		x		x		x

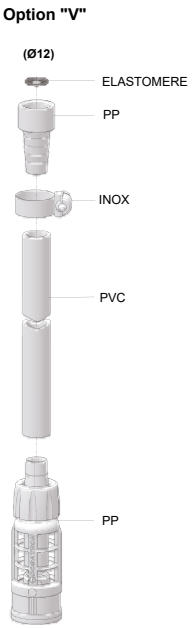
MATERIALS

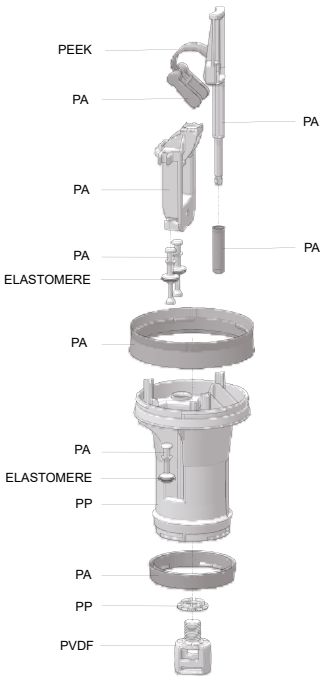
D3 0.2 - 2%

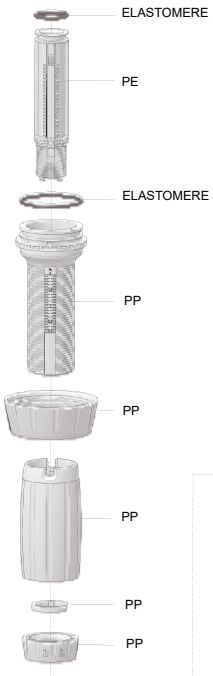


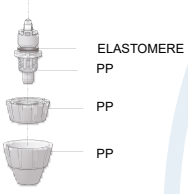


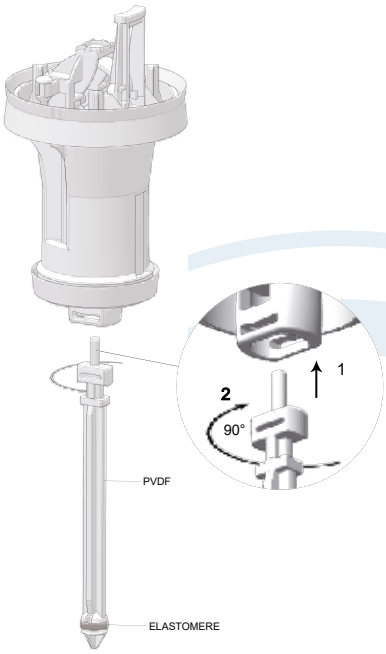








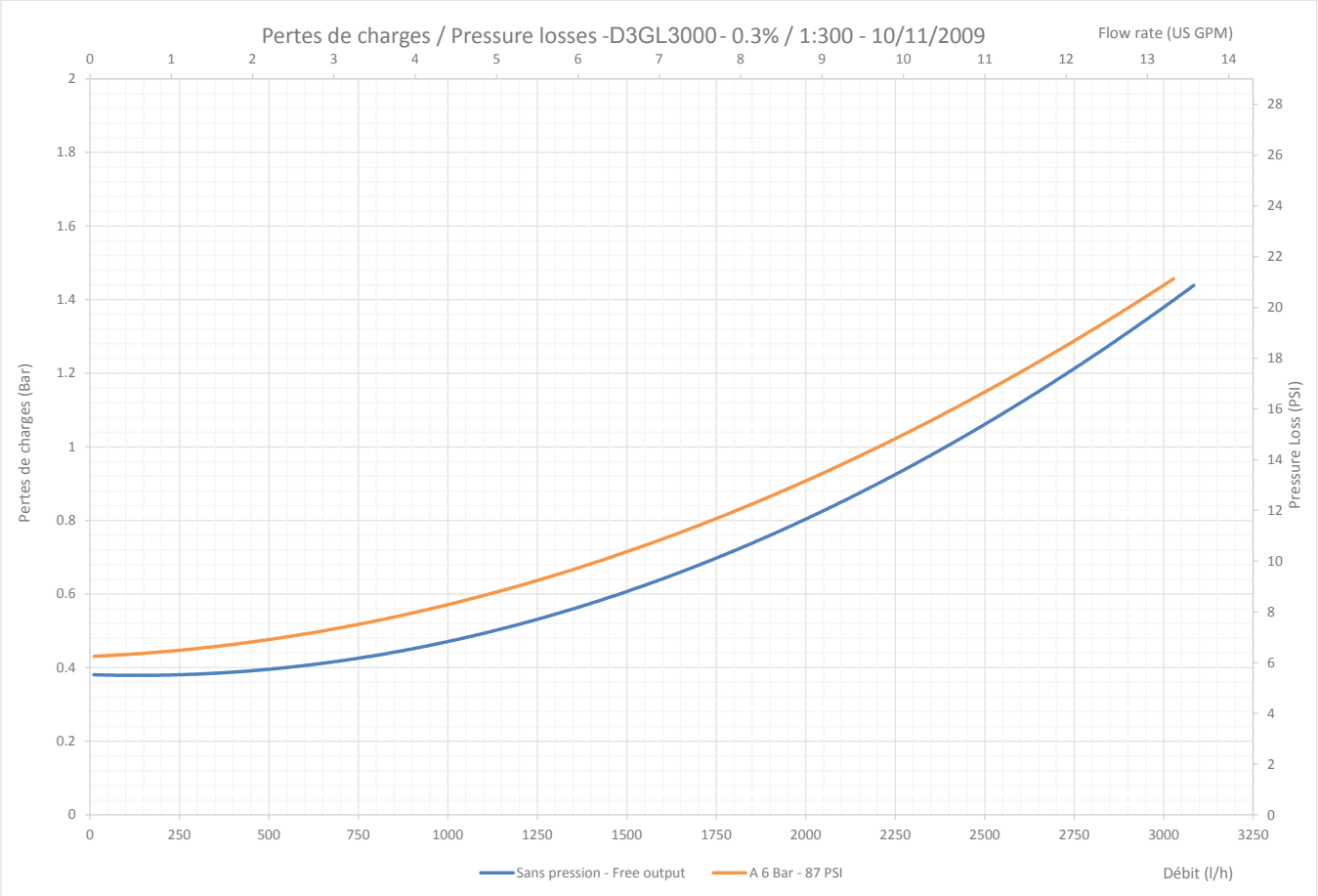




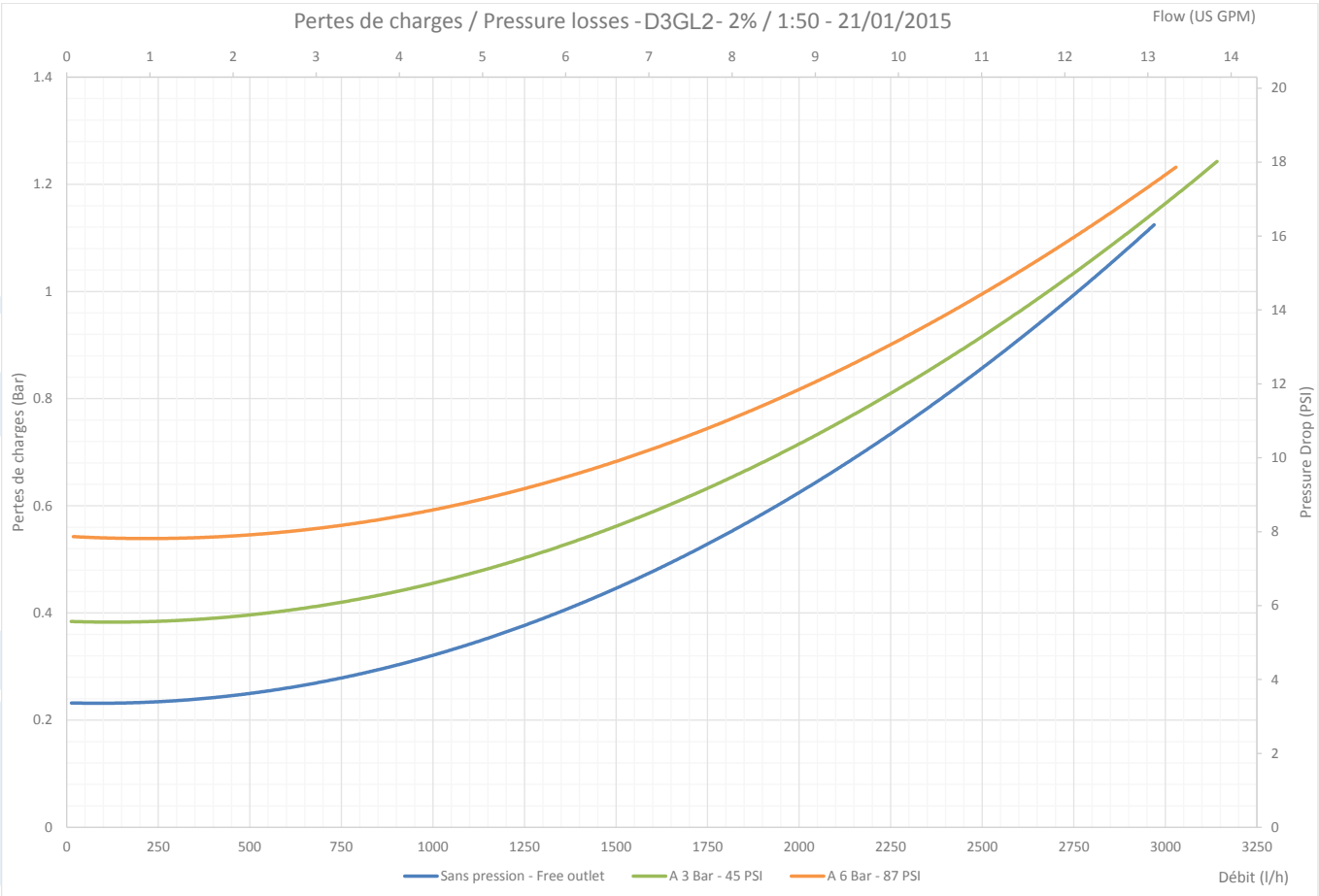
PA	Polyamide	**PEEK**	Polyetheretherketone
PP	Polypropylene	**PVDF**	Polyvinylidene fluoride
POM	Polyoxymethylene		

CURVES - PRESSURE LOSS

D3GL3000

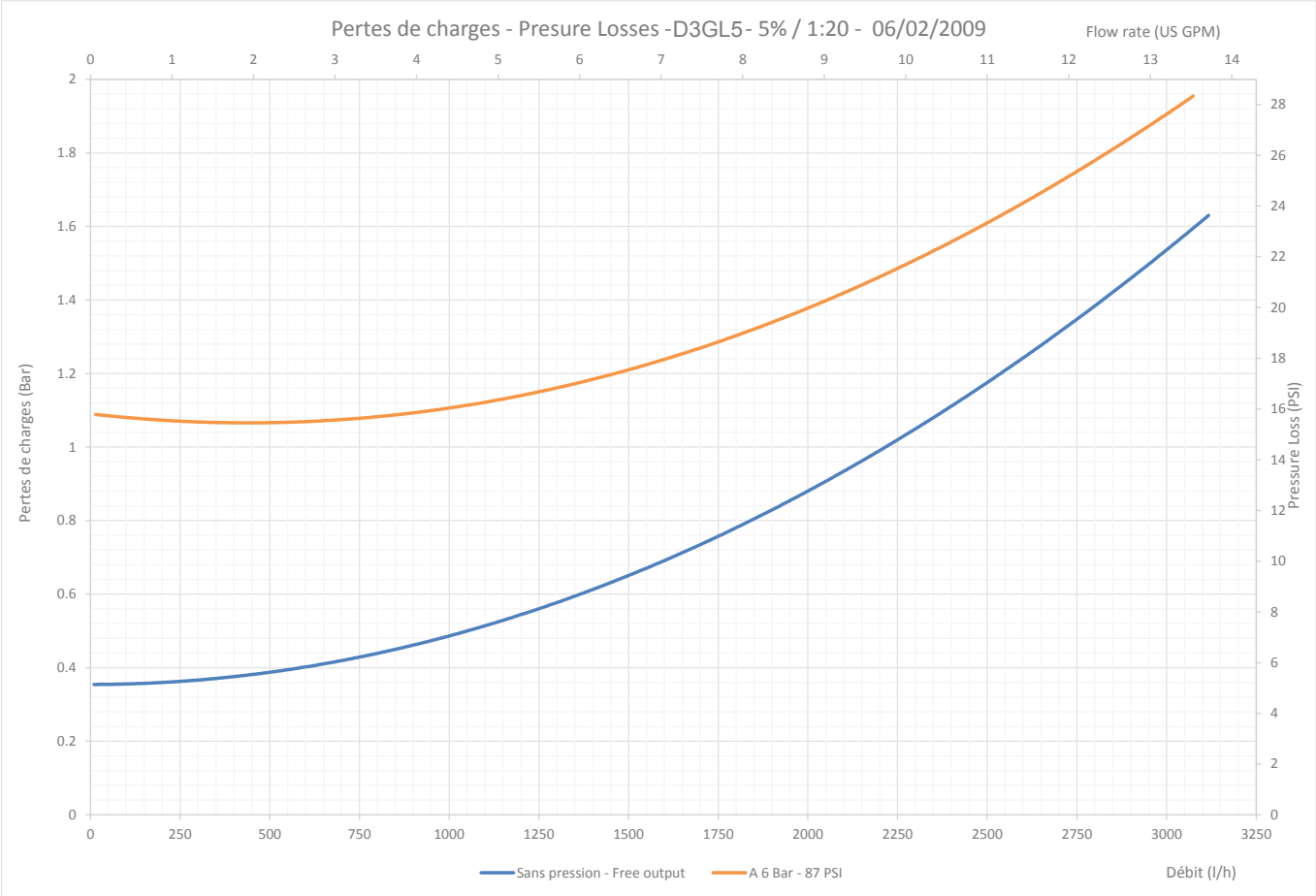


D3GL2

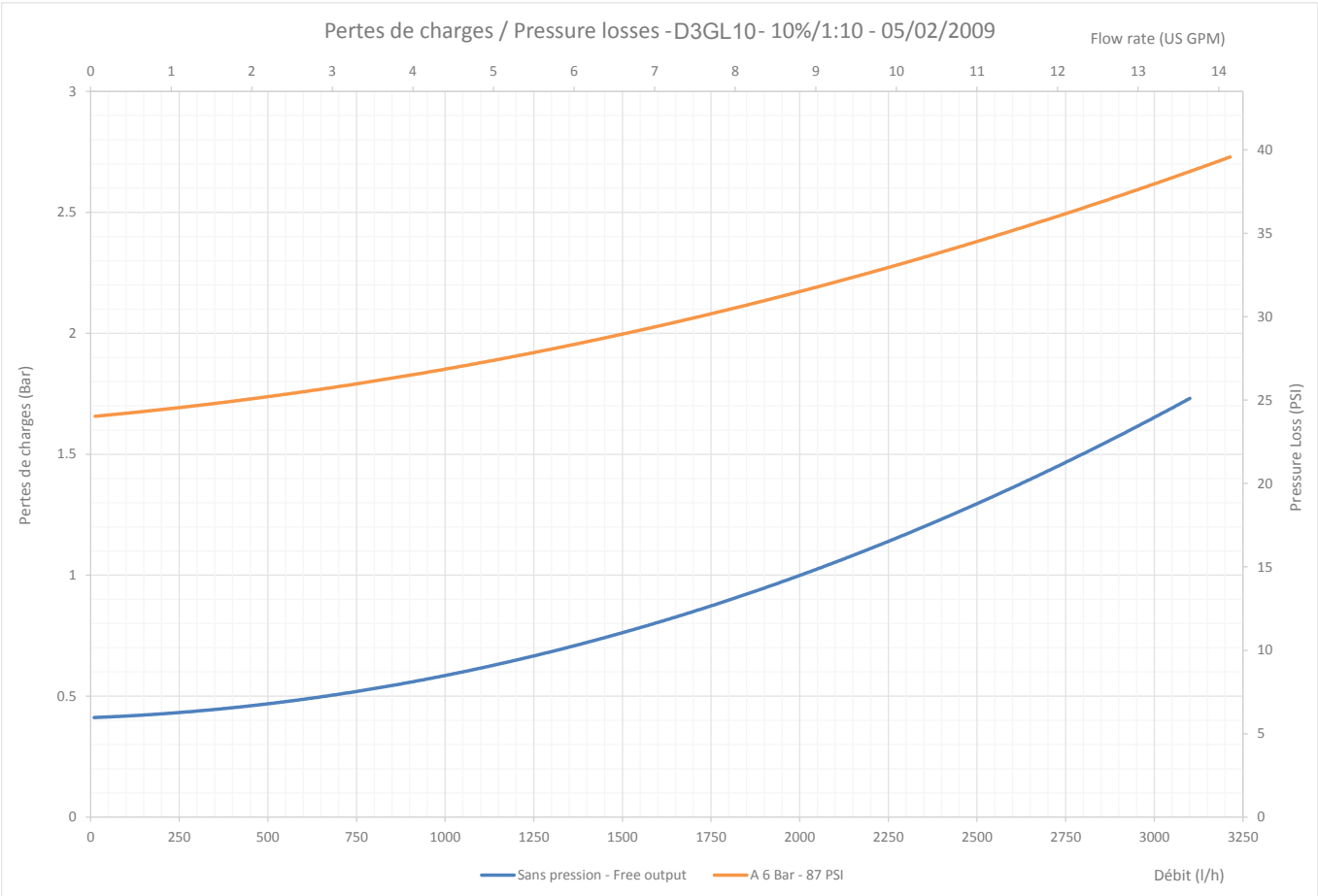


CURVES - PRESSURE LOSS

D3GL5

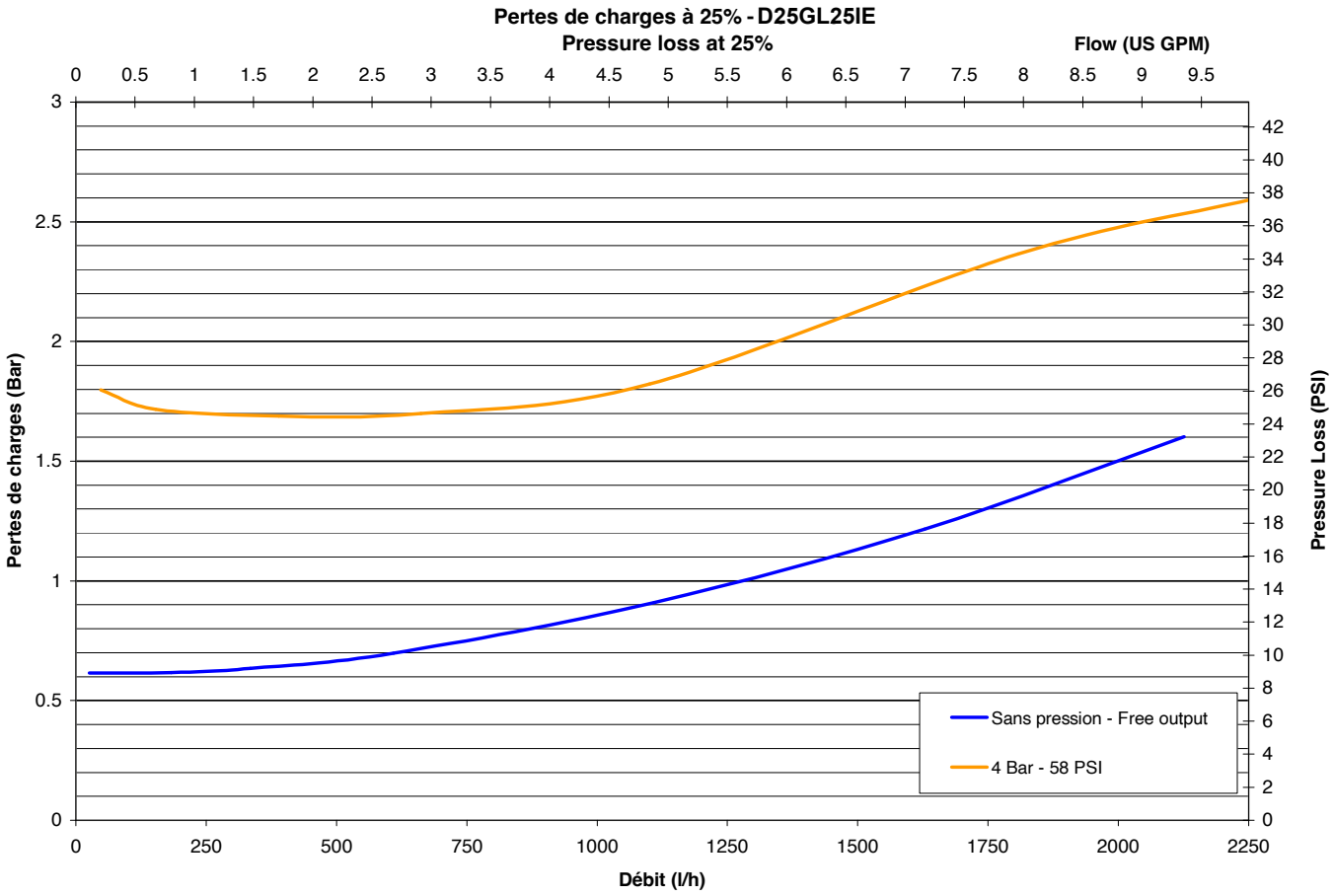


D3GL10



CURVES - PRESSURE LOSS

D3GL25IE



CHEMICAL COMPATIBILITY

Fertilisers and chemical components

Notes

These indications reflect the use of our dosing pumps in optimum conditions. It is essential to take account of the actual conditions, that is to say the pressure, flow rate, temperature, chemical composition of the water present, etc., which are all factors influencing compatibility results.

We recommend that you contact your distributor or our services if you have any doubts or if any products are not mentioned.

Products		Ammonium nitrate NH_4NO_3			Phosphoric acid H_3PO_4			Sulfate of potassium K_2SO_4		
Concentration		low	average	high	low	average	high	low	average	high
		10%	20%	40%	10%	20%	40%	10%	20%	40%
D3GL3000 D3GL2 D3GL5 D3GL10 D3GL25IE		●	●	●	●	●	●	●	●	●

Products		Acid nitric HNO_3			Hydrochloric acid HCL			Ternary fertilizer + trace elements NPK		
Concentration		low	average	high	low	average	high	low	average	high
		10%	20%	30%	10%	20%	30%	product solubility threshold		
D3GL3000 D3GL2 D3GL5 D3GL10 D3GL25IE		●	●	●	●	●	●	●	●	●

Products		Iron chelate "sequestrene" IDHA - EDDHA			Hydrogen peroxide H_2O_2			Sulphuric acid H_2SO_4		
Concentration		low	average	high	low	average	high	low	average	high
		product solubility threshold			10%	20%	40%	10%	20%	40%
					maximum concentration at 50%			strong exothermic reaction		
D3GL3000 D3GL2 D3GL5 D3GL10 D3GL25IE		●	●	●	●	●	●	●	●	●

Compatibility key

● VG very good ● G good ● NC not compatible

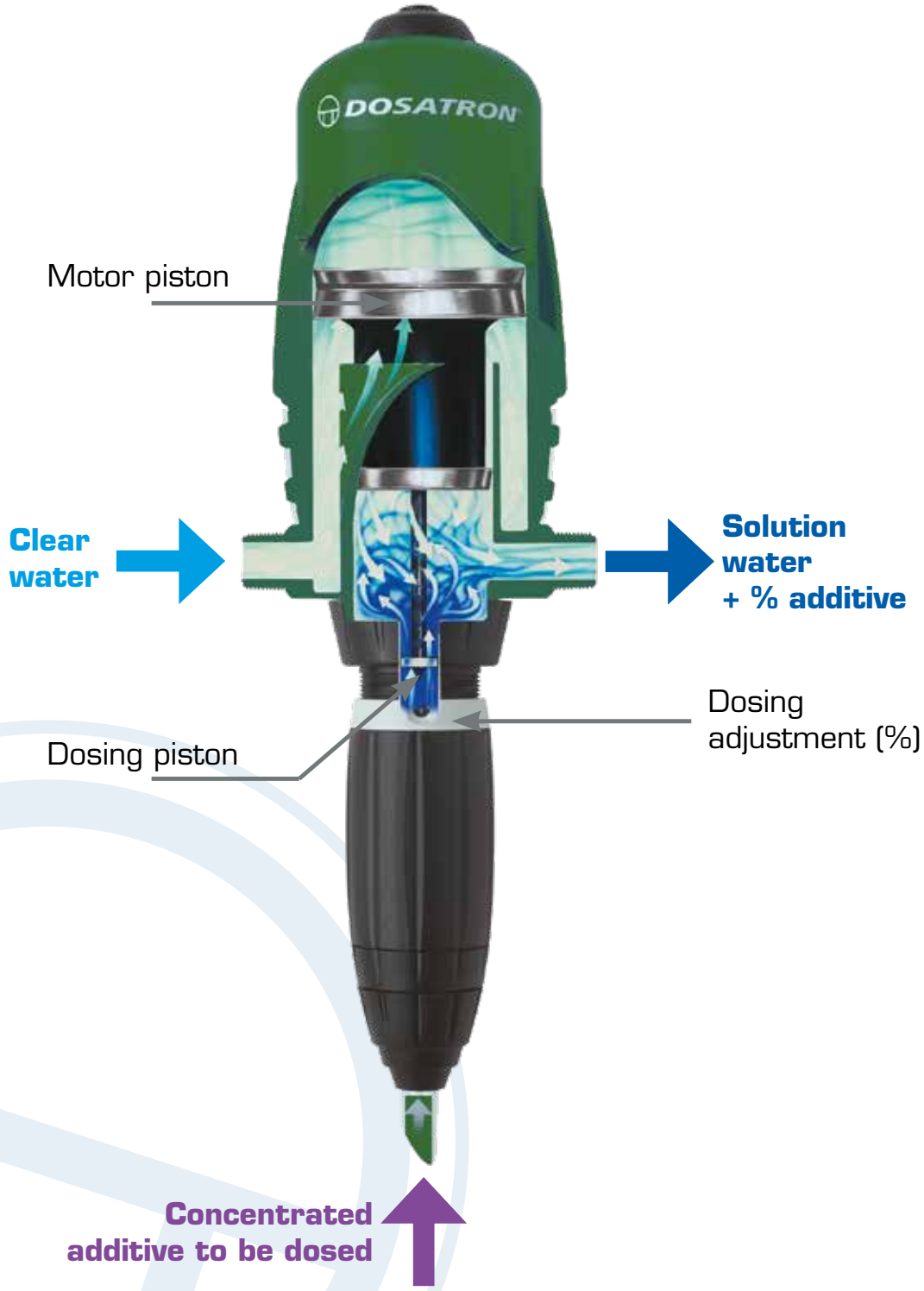
DOSATRON TECHNOLOGY

A unique technology associating all dosing functions

Installed directly in the water supply line, the **Dosatron** operates by using water pressure as the only power source. Activated in this way, it draws in the concentrated product, doses it at the desired ratio and mixes it with the motive water.

The water pressure forces the solution downstream.
The dose of concentrate will be directly **proportional to the volume of water** entering the DOSATRON, regardless of variations in flow or pressure which may occur in the main line.

The concentration of the solution always remains the same.



DOSATRON®

Because life is powered by water®

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DOSATRON APP

Your daily assistant