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DOSATRON[®]

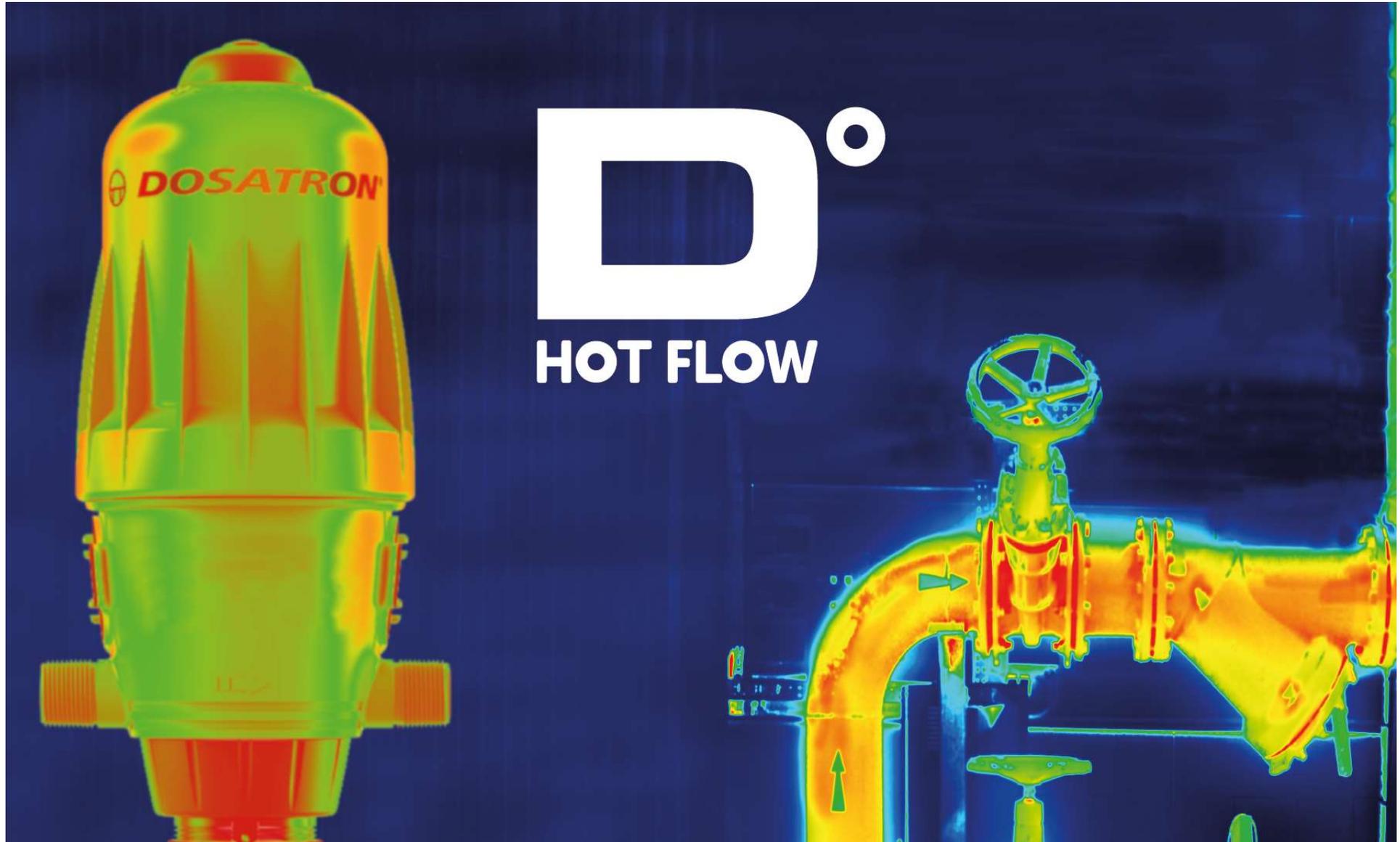
Because life is powered by water[®]

D3 High Temperature

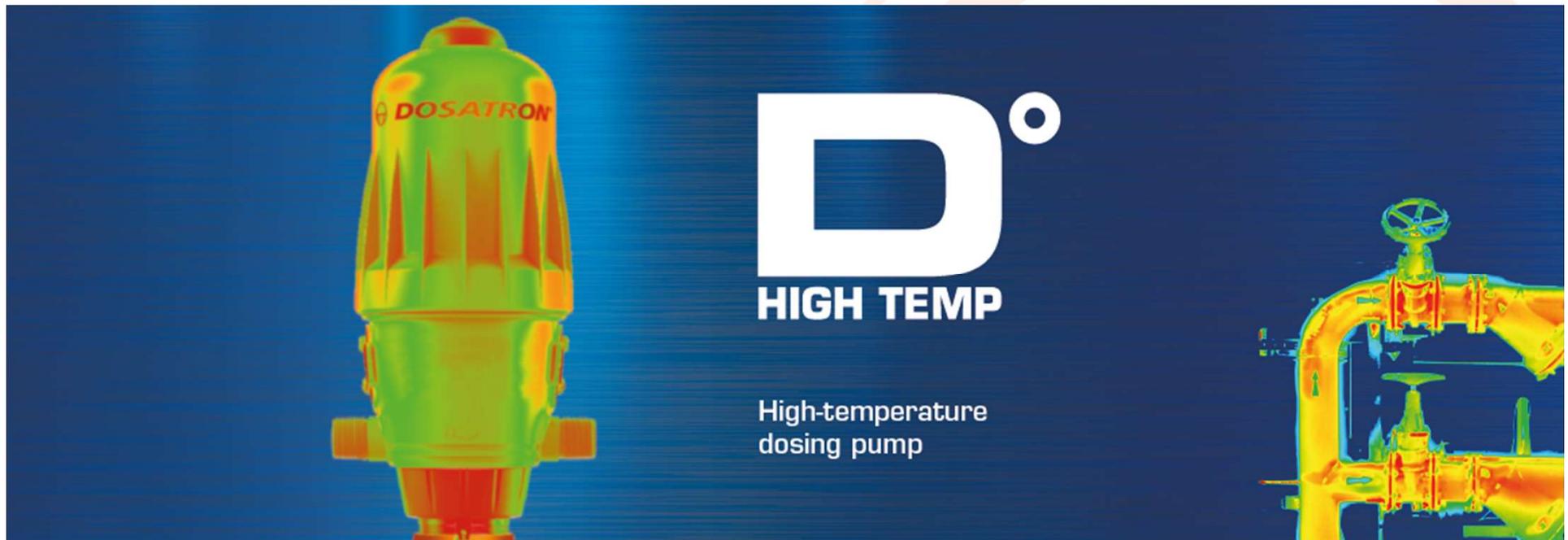
**High Temperature Dosing Pump
Disinfection and cleaning for food-processing
applications**

Presentation document for distributors
Operational Marketing

Confidential – Do not share outside of your organization



Presentation





D3T – High Temperature Dosing Pump

The high temperature dosing pump for disinfection and cleaning in food-processing hygiene.

- ❑ High efficiency of cleaning product
- ❑ Compatibility with all alkaline and acid chemicals
- ❑ Reliable and constant dosage
- ❑ Optimization of water and chemical consumption
- ❑ Easy to install – plug & play

Available in September 2022

D3T – High Temperature Dosing Pump

A technological innovation, the D3T is the result of 5 years of R&D and technical optimization. It's been developed for hygiene applications in the food processing industry.



D3T – High Temperature Dosing Pump

- ❑ The D3T aims to meet high temperature dosing needs for hygiene applications in food-processing facilities.
- ❑ Ideal for owners or managers of food-processing facilities, specifically for cleaning-in-place and centralized installations.
- ❑ For now, the D3T is available in 3 dosing variations: D3T3000, D3T5 et D3T10, with many technical options available to carry out the user's applications.



	D3TRE3000	D3TRE5	D3TRE10
Water flow rate	100 l/h - 3 m ³ /h		
Working pressure	0,3 - 6 bar	0,3 - 6 bar	0,5 - 6 bar
Maximum working temperature	70° C Temperature indicator – Thermosensitive label		
Adjustable dosage	0,03 - 0,3%	0,5 - 5%	0,1 - 10%
Injection rate	0,03 - 9 l/h	0,5 - 150 l/h	1 - 300 l/h
Seal option	AF, VF	HTAF, AF, VF	HTAF, AF, VF
Other features	Internal mixing system, special material, suction hose (2,75 m), weighted and overmolded strainer		
Other options	Manual bypass (ex : rinsing pipes)	Manual bypass (ex: rinsing pipes)	Manual bypass (ex: rinsing pipes)
Applications	Disinfection Cleaning	Cleaning: alkaline for permanent treatment Disinfection: strong acids for yearly treatment	Cleaning of smokehouse ovens and industrial bakeries

D3T in the Hygiene Range

D25RE2AF – D25RE5AF
Soles-washer sanitizing

- + Stable concentration and perfect homogeneity insure dosing accuracy on short use.
- + Accuracy at low flow rate, proportional dosage.
- + PVDF option for strong acid

D3RE2VFP – D3RE5VFP
Disinfection in hygiene

- + Allows to work on only one point due to low starting flow rate (10l/h minimum)
- + Compatibility and resistance to acids like hydrogen peroxide and peracetic acid due to PVDF body

D3RE2HTAF – D3RE5HTAF
Cleaning in place

- + Allows to work on only one point due to low starting flow rate (minimum 10l/h)
- + Compatibility and resistance to chlorinated alcahols pH>12

D3TRE – dosing pump high temperature
Disinfection & cleaning in food and beverage

- + High efficiency of the detergent
- + Compatibility with all types of alkaline and acid chemicals
- + Reliable and constant dosage
- + Optimization of Water and chemical consumption
- + Easy to install – plug & play

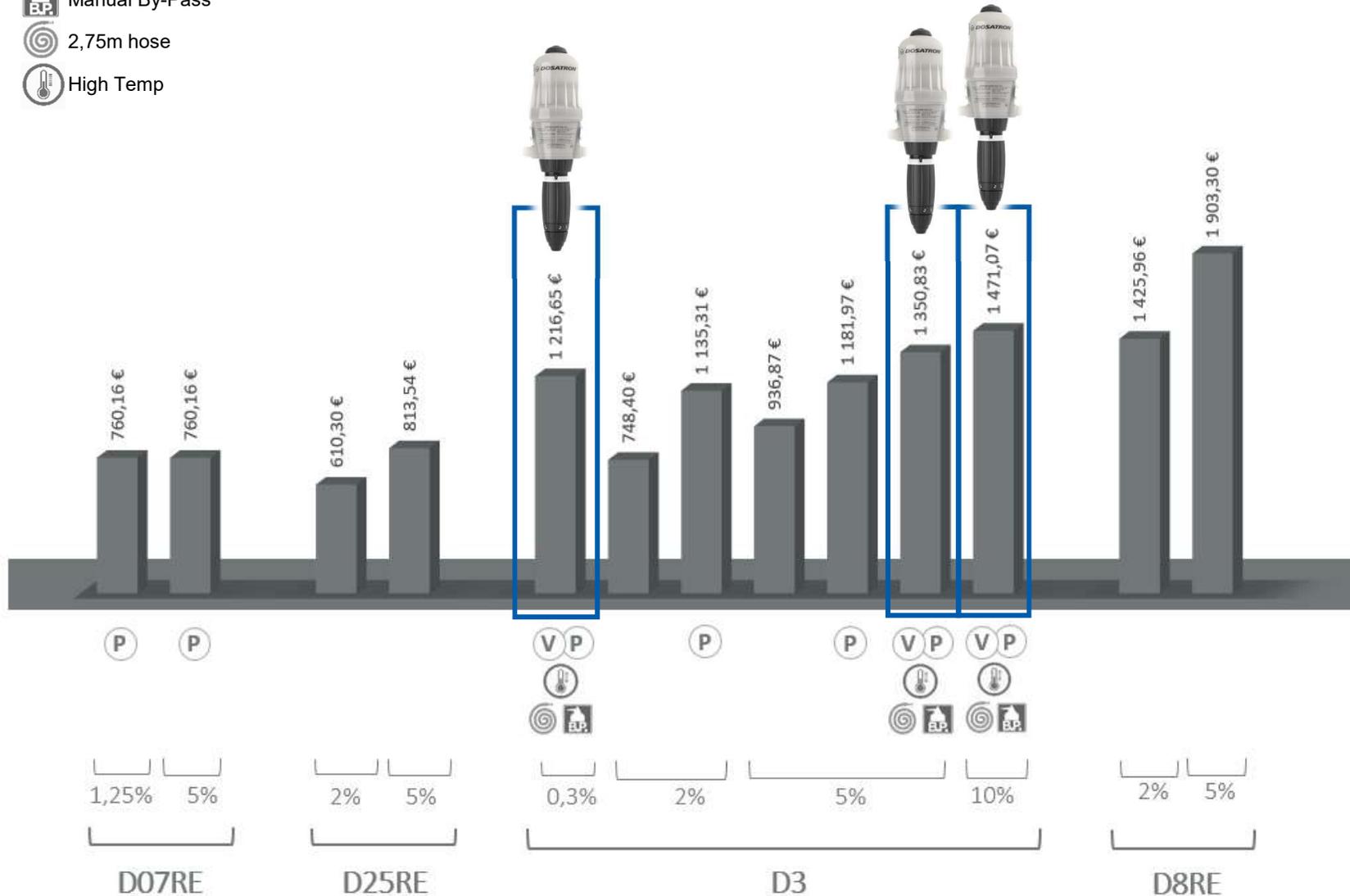
D8RE2HTAF – D8RE5HTAF
Centralized cleaning

- + Large range of flow rate allows to work with up to 20 satellites
- + The 8 bar working pressure insures a sufficient pressure at the end of the process
- + Compatibility and resistance to chlorinated alcahols pH>12



Hygiene Line Price List 2022

- V Strainer
- P PVDF
- K FFKM Seal
-  Manual By-Pass
-  2,75m hose
-  High Temp



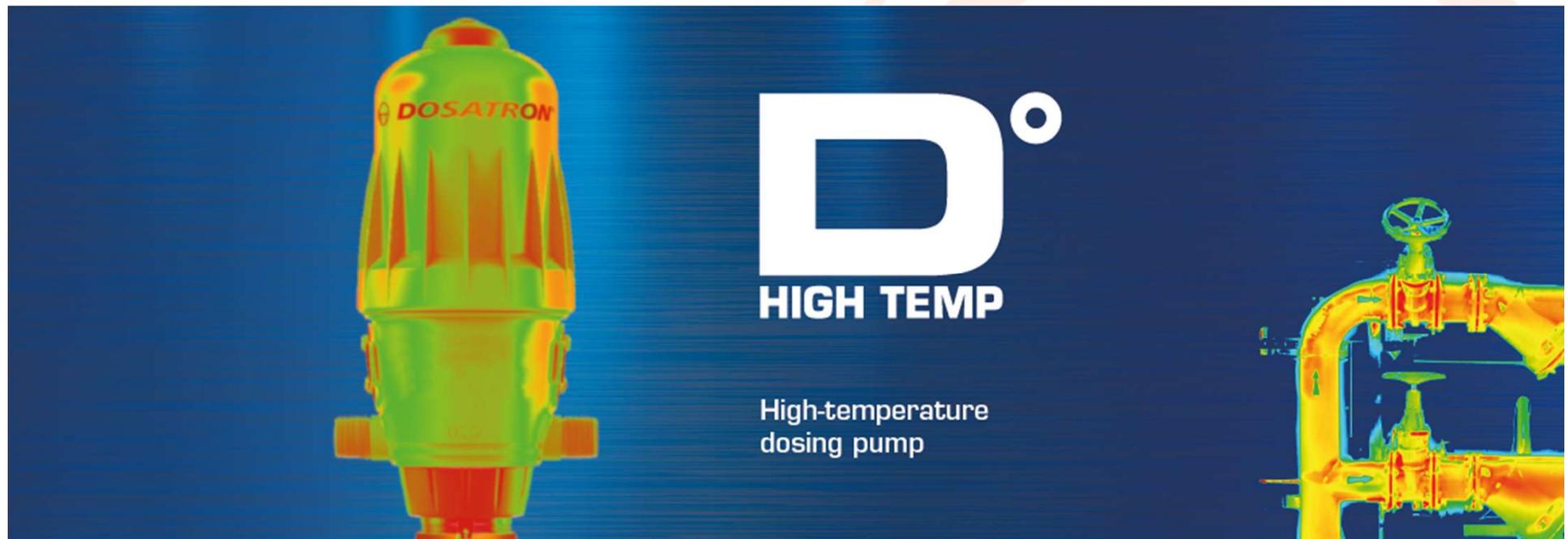
Characteristics

Dosage

Range



D3T for Hygiene in Food & Beverage industry



Enhances the efficiency of the cleaning product



*Water drop
Temperature <40°C*



*Water drop
Temperature >40°C*

- ❑ The higher water temperature, up to 70° C, enhances the cleaning product's efficiency
- ❑ As the water temperature rises, the surface tension of the water is reduced which results in a greater surface treated (for an identical amount of water and cleaning product).
- ❑ At the same contact time and with the same amount of product used, the combination of hot water and chemical is more efficient.
- ❑ As a result, the high temperature dosing pump generates savings of water and chemical; it reduces waste water and decreases the retreatment cost.

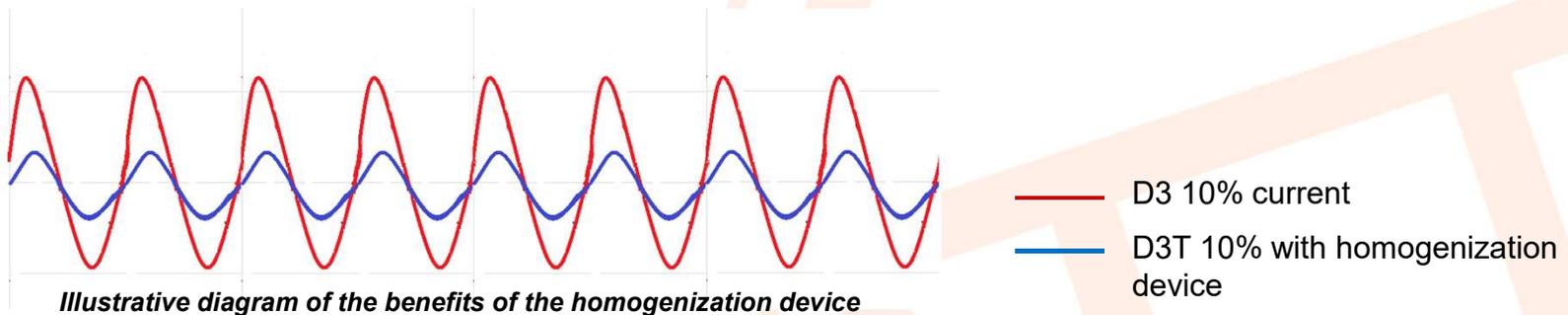


Compatible with almost all chemical acid and alkaline

- ❑ The D3T is compatible with almost all alkaline and acid chemical used in cleaning in place or centralized cleaning systems, due to the material selected and tested by our R&D team:
 - Housing in PVDF, polymer with a very high resistance to strong chemicals, a very good resistance to product aging and good mechanical properties to resist against concentrated acid ;
 - Several seal options (VF, AF or HTAF) allows for dosing of chemicals with pH 0 to 14 ;
 - Dosing pump manufactured with plastic parts only for chemical compatibility.
- ❑ Examples of chemicals for food-processing hygiene:
 - In food processing disinfection, hydrogen peroxide of up to 50% concentration and peracetic acid of up to 30% concentration is possible thanks to the PVDF housing + VF seals.
 - Cleaning with sodium hydroxide and potassium hydroxide with PH up to 14 is also possible due to HTAF seals.
- ❑ Please refer to our material drawing for more information, or check the DOSATRON chemical compatibility database accessible from your account.



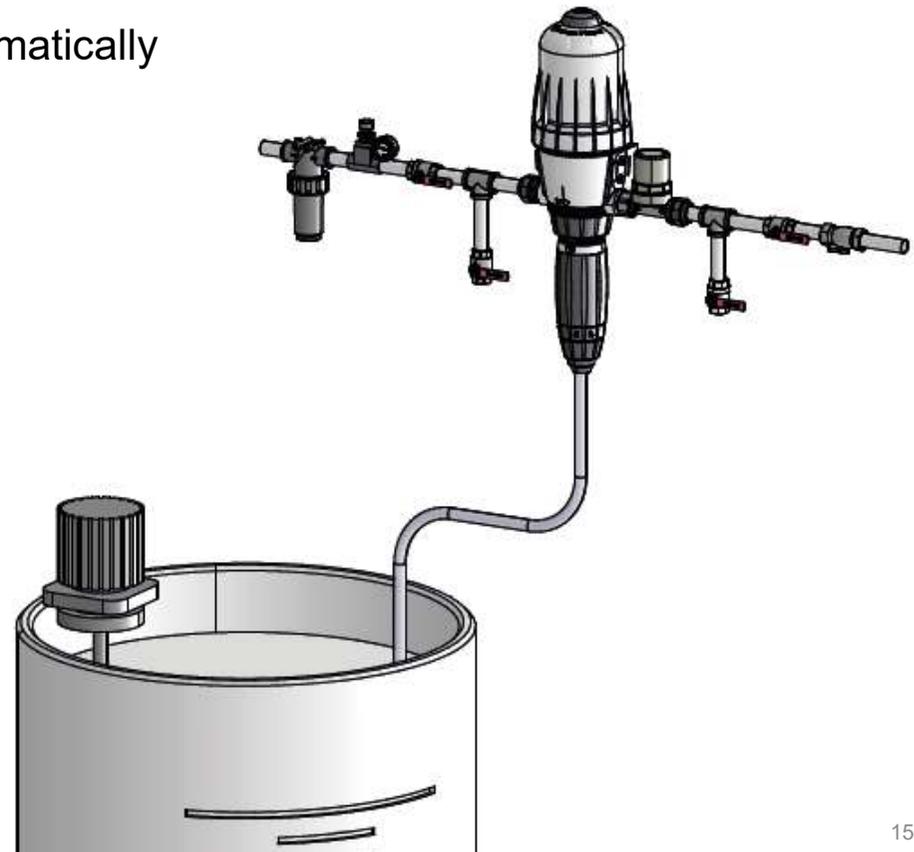
- ❑ The D3T insures a reliable and consistent dosage regardless of the number of active satellites.
- ❑ High temperature applications in hygiene require a subtle compromise between chemical resistance and consistency in the concentration of the product at the outlet.
- ❑ Le D3T is equipped with a new internal homogenization device that improves the consistency of the concentration of the product while preserving the chemical resistance of the dosing pump:
 - Flow restriction device that accelerates the speed of passage of the solution and creates turbulence in order to improve the consistency of the concentration.
 - The improvement generated by this device, measured and qualified by our laboratory, varies according to the application conditions: flow rate, % of dosage, characteristics of the product to be dosed (viscosity, miscibility, etc...)
 - Concentration control/audit conditions must be carried out on a relevant volume of solution.



- ❑ The high temperature dosing pump adapts to variations in flow and pressure, and induces the same concentration of product at the outlet of each satellite.
- ❑ Unlike many dosing solutions (mainly electric and venturi dosing pumps), the high-temperature dosing pump ensures proportional dosing by design.
- ❑ The proportionality of the dosage in a centralized installation is very important:
 - ❑ An under-dosage can be the cause of poor disinfection and therefore can lead to a health risk
 - ❑ An under-dosage might extend application times (poor quality foam, for example).
 - ❑ An excessive dosage is a direct loss because it does not add anything more to the quality of the detergent or the disinfection.
 - ❑ An excessive dosage might incur additional costs in the reprocessing of contaminated water.
- ❑ Combined with hot water, and thanks to its proportional dosing, the high temperature dosing pump helps to optimize water and additives consumption (detergents, disinfectants).



- ❑ Much like other Dosatron dosing pumps, the D3T is easy to install, use, and service.
- ❑ Easy installation on the water pipe, without electrical connection
- ❑ Variations in flow rate and pressure do not influence dosing consistency
- ❑ The pump adjusts to the requested flow automatically
- ❑ Maintenance is quick and easy:
 - Replacement of the dosing seals kit once a year: without tools, in less than 5 minutes. See the maintenance video on [Dosatron TV](#).
 - Replacement of the piston lips & motor seals kit after 2 million cycles: doable in less than 15 minutes.
 - No need to disconnect the dispenser from its installation to carry out these two preventive actions. Only depressurization is necessary



D3T Technological Improvements



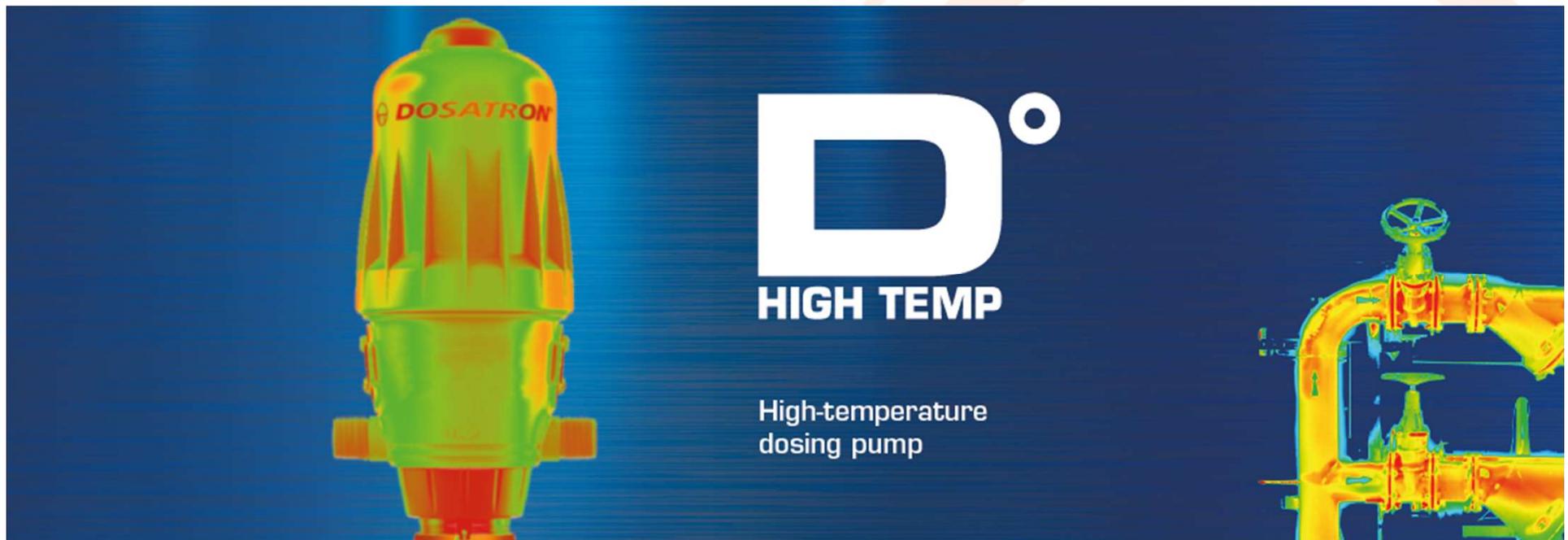
Based on a set of innovative technologies, the D° HIGH TEMP high-temperature metering pump is the result of 5 years of research, field tests and optimization of the mechanism aimed at guaranteeing its performance for the entire temperature range of the motor fluid which activates it, up to 70° C :

- ❑ The lips with compensation springs make it possible to mechanically compensate for the expansions from the temperature.
- ❑ Emphasis has been put on the selection and qualification of materials, with the aim of limiting friction, maintaining the level of pressure drop and increasing the mechanical resistance of the dispenser;
- ❑ A heat-sensitive label has been specifically developed to indicate the temperature level of the motor fluid, taking into account the thermal conductivity conditions of the housing.

Dosatron International

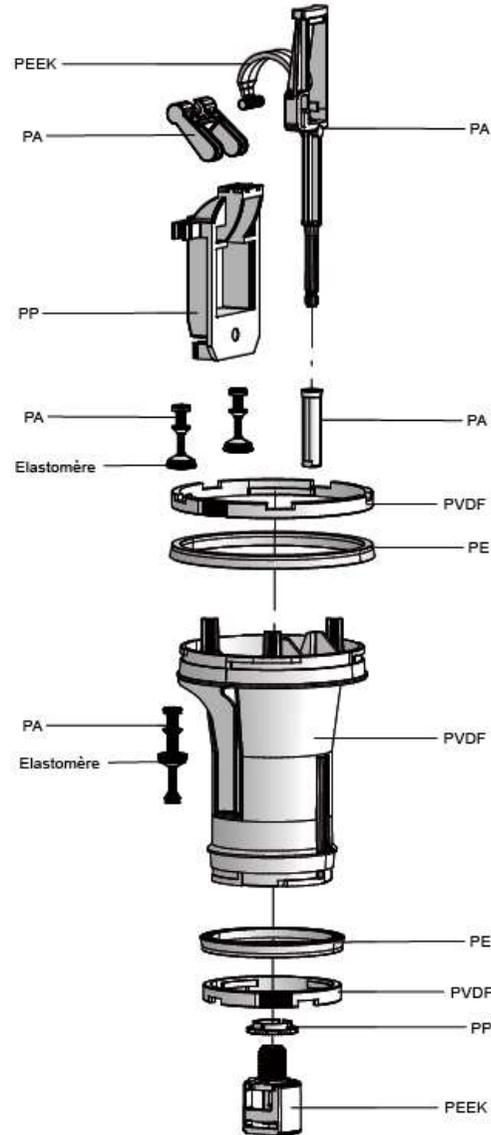
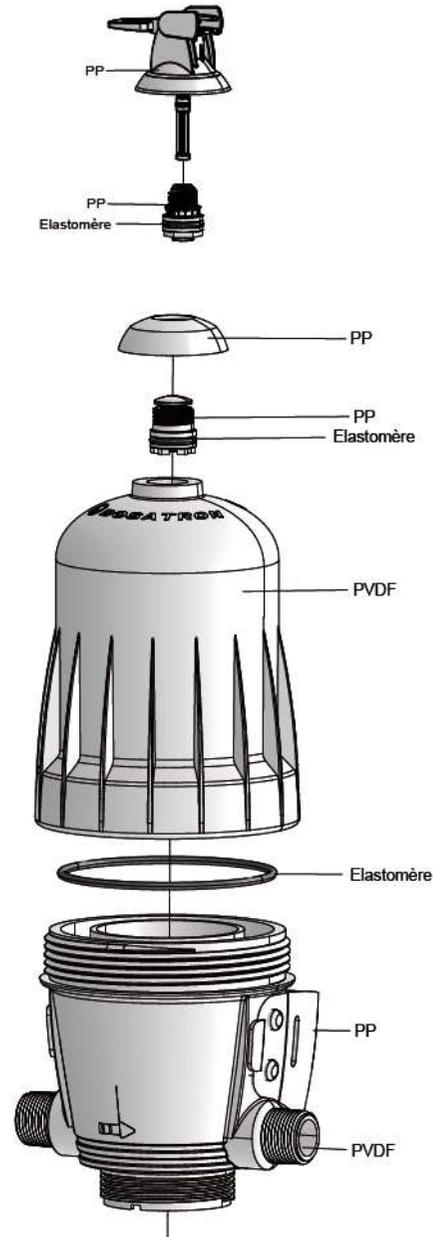


Technical presentation

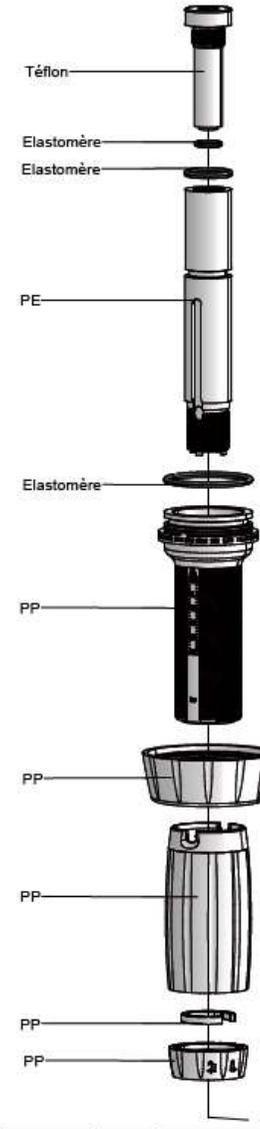


	D3TRE3000	D3TRE5	D3TRE10
Working water flow mini / maxi	100 l/h min - 3 m ³ /h max [3,5 US Pint/min (min) – 13,2 US GPM (max)]		
Maximum working temperature	70 °C [158 °F]		
Working water pressure mini / maxi	0,3 – 6 bar [4.4 – 87 PSI]		0,5 – 6 bar [7.3 – 87 PSI]
Dosing rate	0,03% à 0,3% 1:3000 - 1:333	0,5% à 5% 1:200 - 1:20	1% – 10% 1:100 - 1:10
Injection rate min / maxi	0.03 l/h min– 9 l/h max [0.017 US Fl. oz/min - 0.04 US GPM – Max]	0.5 l/h min – 150 l/h max [0.282 US Fl. oz/min – Min 0.66 US GPM – Max]	1 l/h min– 300 l/h max [0.564 US Fl. oz/min - Min 1.32 US GPM – Max]
Suction hose	4x6 mm L 2,75 m	12x16 mm L 2,75 m	Ø 16x22 mm L 2,75 m
Connection	3/4" Mâle BSP/NPT - Ø20x27mm		
Motor piston volume : ~0,53 litres - ~0.14 US Gallon			

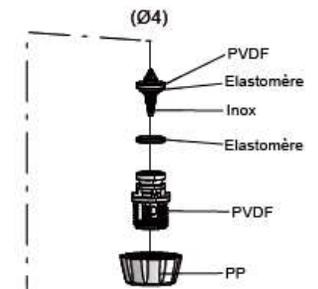




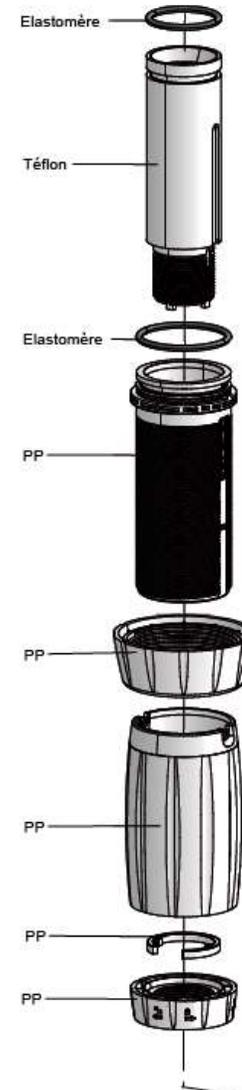
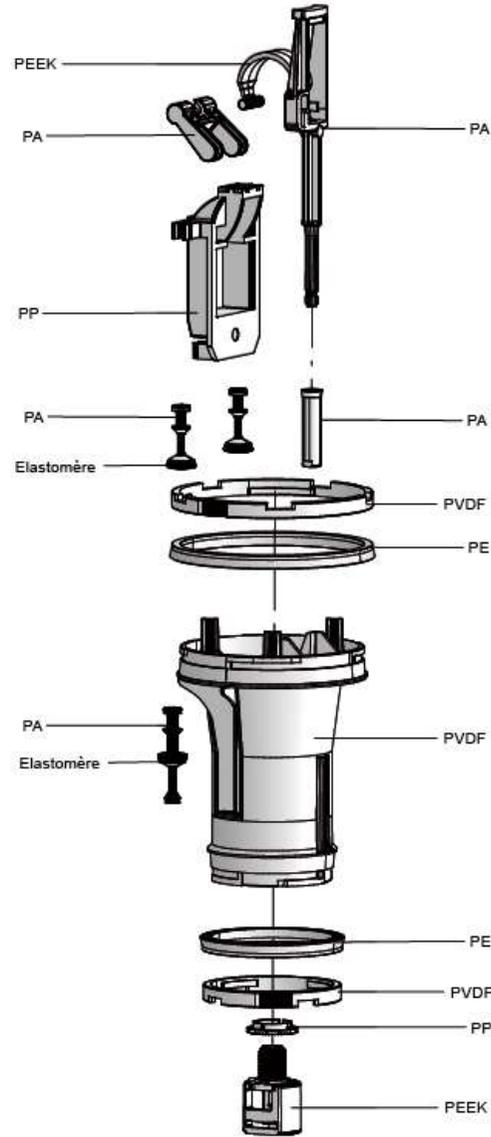
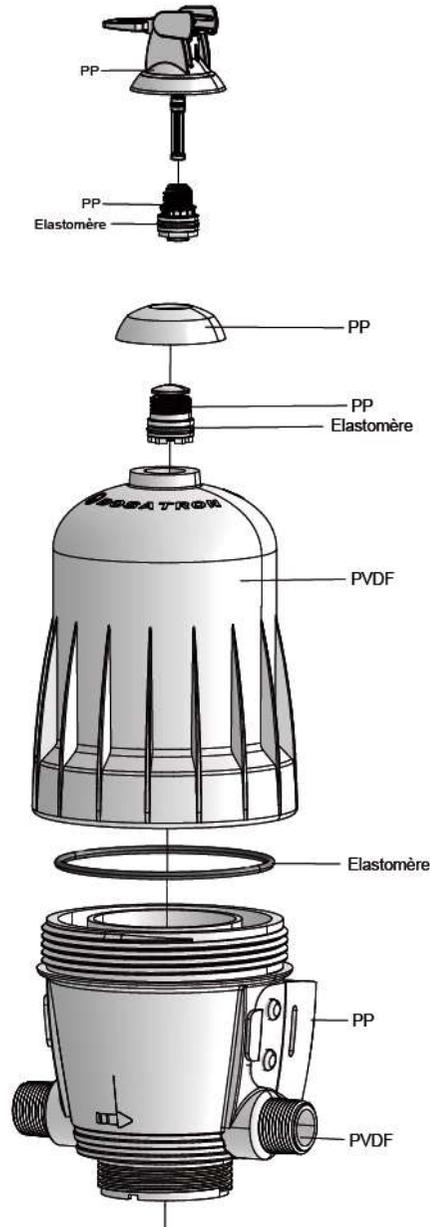
Material D3TRE3000



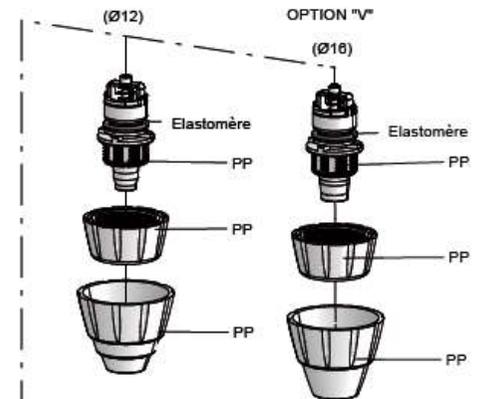
PA	Polyamide
PP	Polypropylène
POM	Polyoxymethylene
PEEK	Polyetheretherketone
PVDF	Polyvinylidene fluoride



Material D3TRE5 / D3TRE10

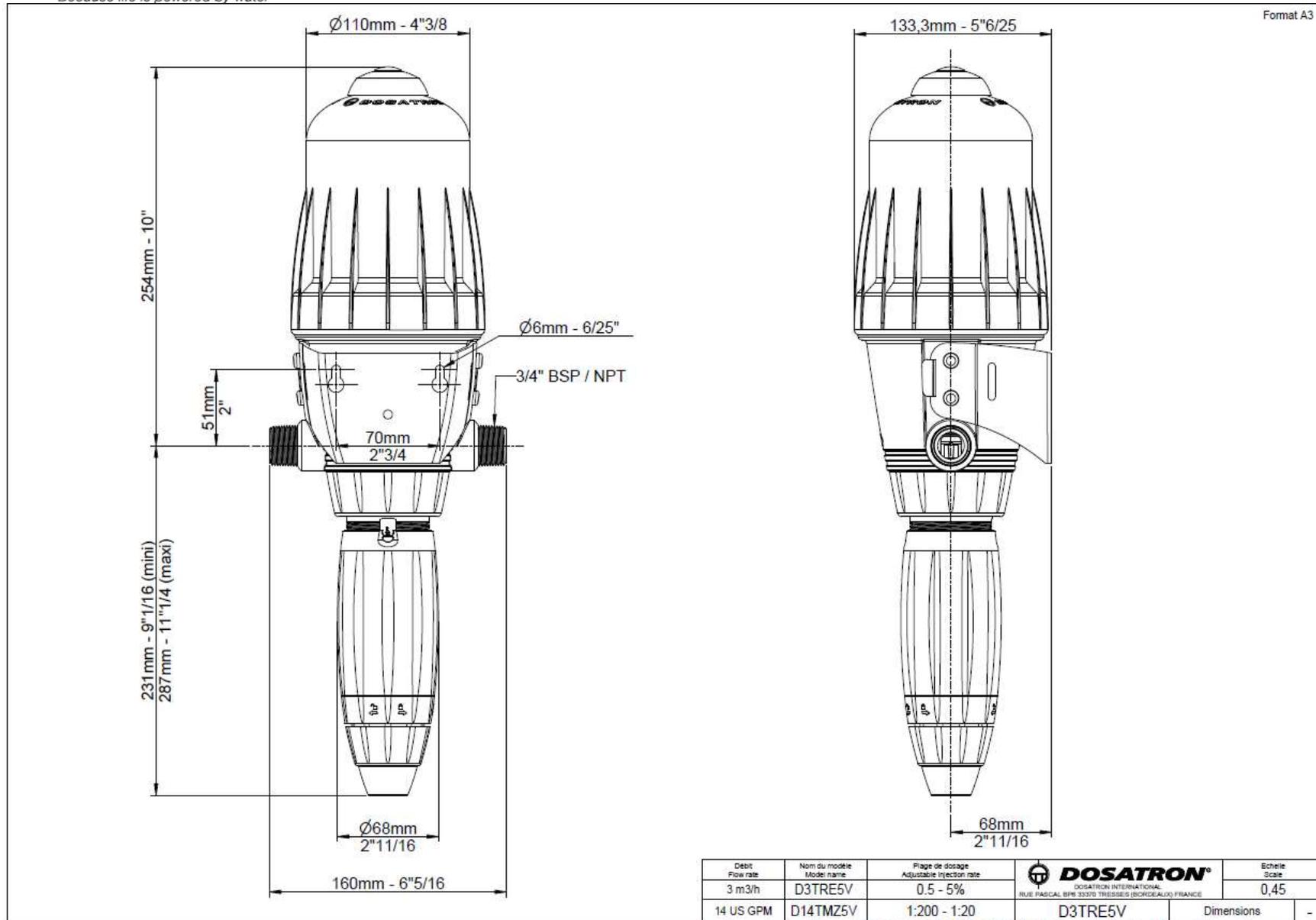


PA	Polyamide
PP	Polypropylène
POM	Polyoxymethylene
PEEK	Polyetheretherketone
PVDF	Polyvinylidene fluoride



LAYOUT D3T

Format A3



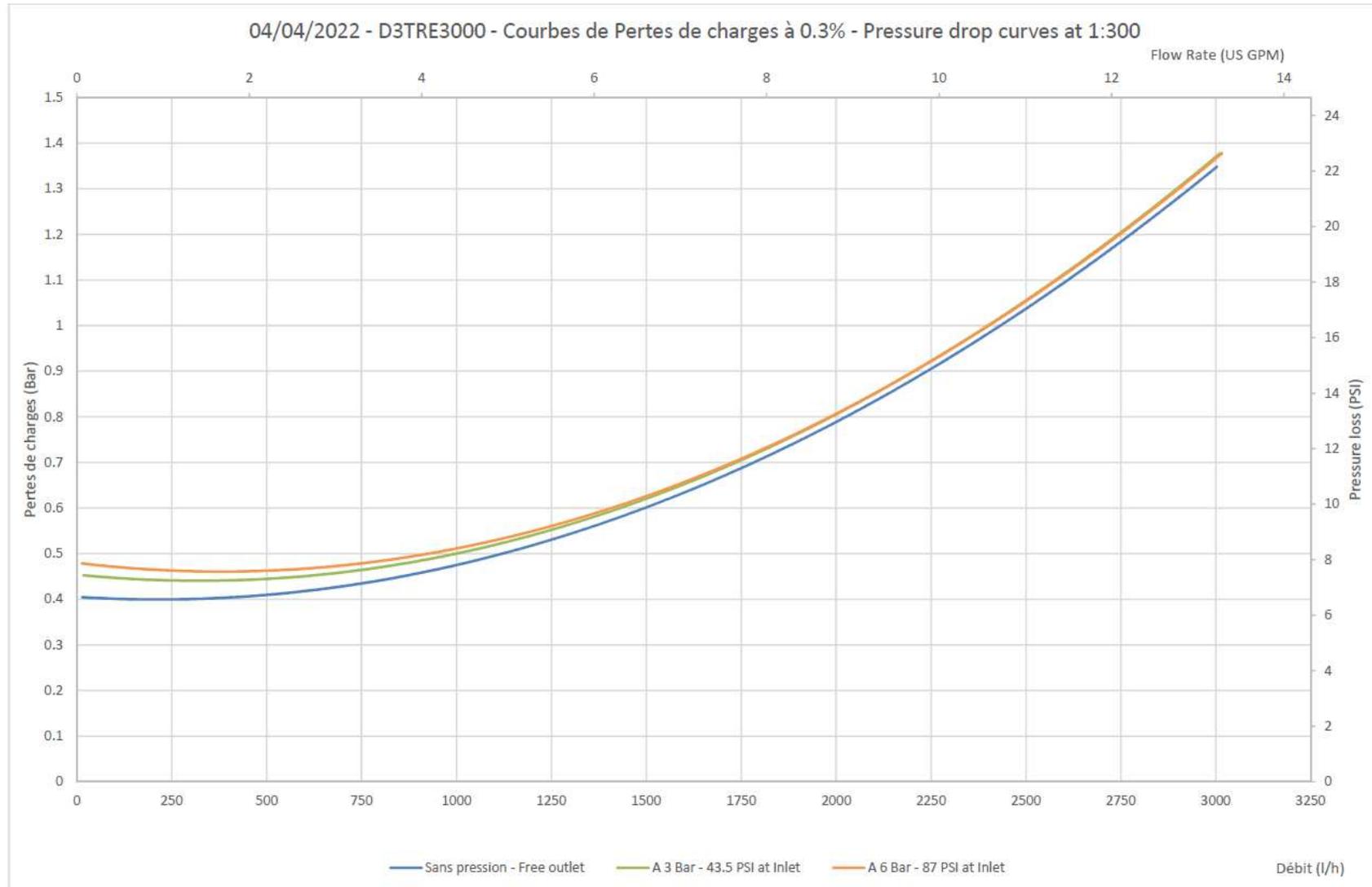
Débit Flow rate	Nom du modèle Model name	Plage de dosage Adjustable injection rate	 DOSATRON <small>DOSATRON INTERNATIONAL RUE FASCAL BP6 33370 TRÈSSES (BORDEAUX) FRANCE</small>		Echelle Scale
3 m ³ /h	D3TRE5V	0.5 - 5%	D3TRE5V		0,45
14 US GPM	D14TMZ5V	1:200 - 1:20	D3TRE5V		-
					Dimensions

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Pressure Drop Curves

D3T 1:3000



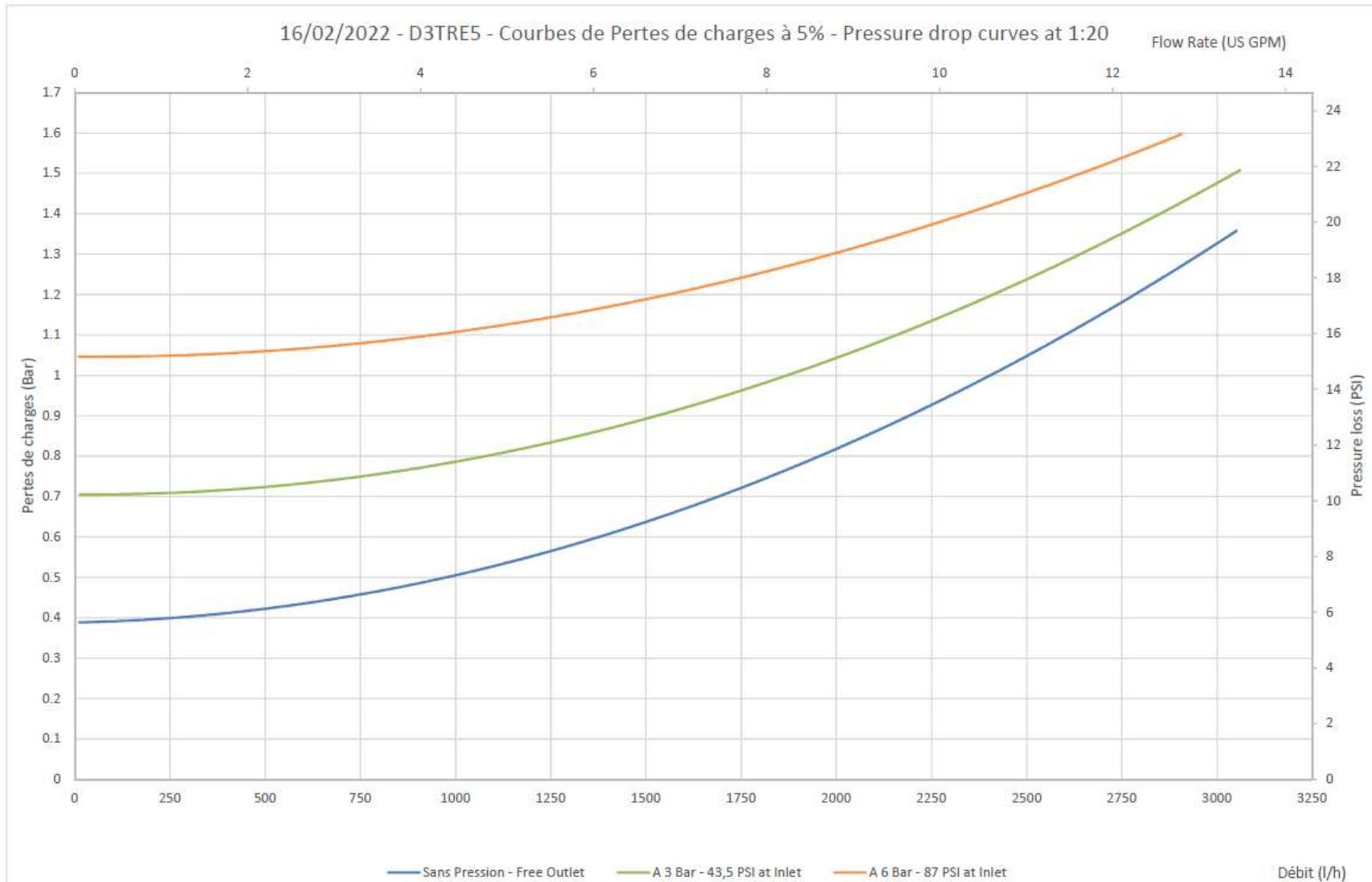
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Pressure Drop Curves

D3T 5%

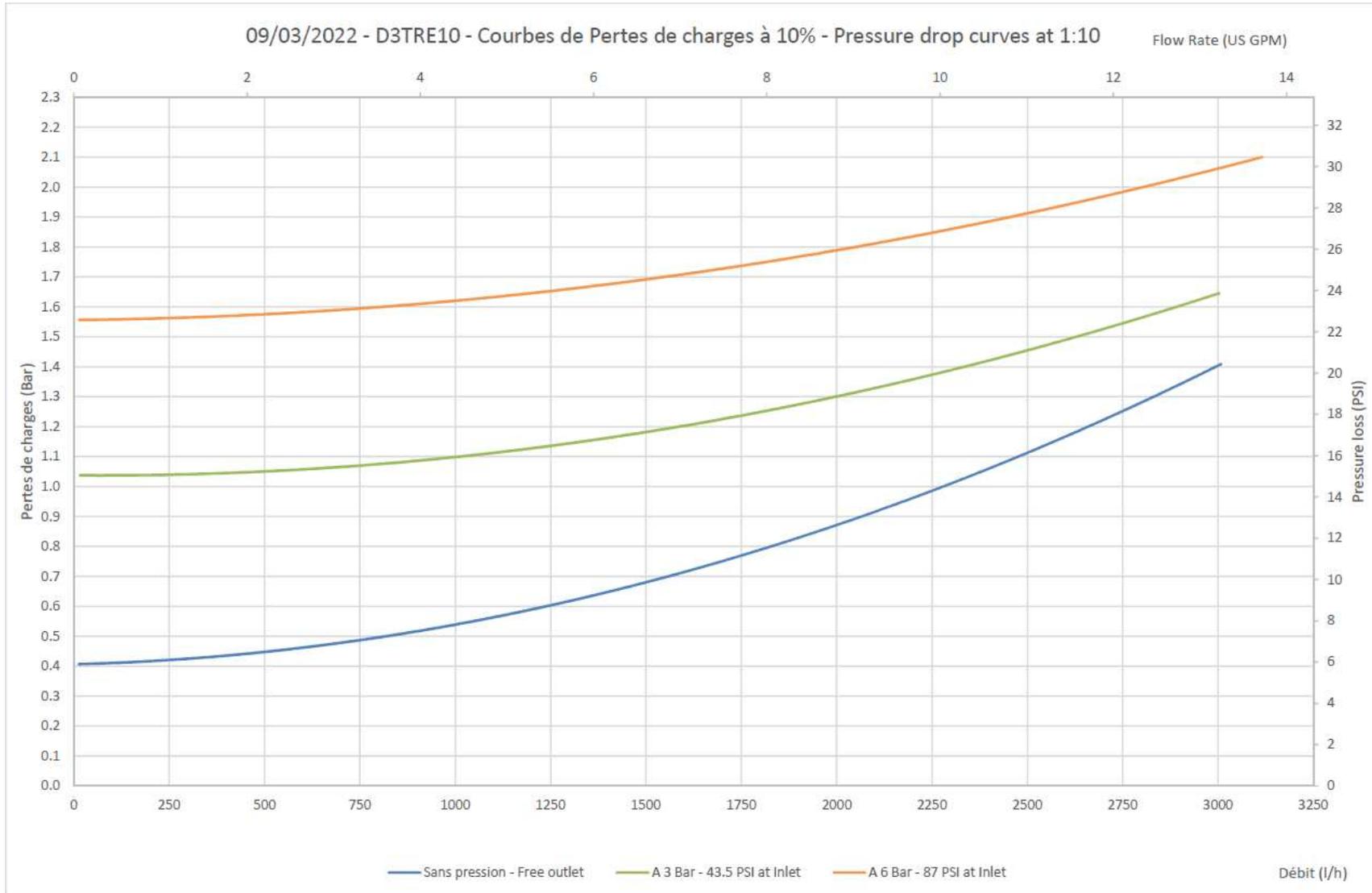


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Pressure Drop Curves D3T 10%



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- ❑ Follow instructions from the Quick Startup
- ❑ Insure that pressure and water flow are in accordance with the Dosatron requirements. If not, please change pressure and water flow to stay within requirements as indicated.
- ❑ Use a filter 300µ to avoid particules
- ❑ Prevent the installation against water hammer
- ❑ Change the dosing seals kit once a year
- ❑ Change the lips motor piston kit every 2 million cycles (1 million liter of water)



Maintenance Focus

Changing motor piston lips kit

❑ Piston PVDF and lips with compensation spring



1. Make $\frac{1}{4}$ turn in the trigonometric way to unlock the blocking ring.
2. Remove the blocking ring and the lip.
3. The lip must be in mechanical stop
4. Install the blocking ring and lock it by a $\frac{1}{4}$ turn in the time way
5. Same operation for the lower lip.





For more maintenance information about the D3, watch our DOSATRON TV maintenance videos!



Maintenance video D3RE on...:

- How to change suction kit
- How to change motor piston
- How to change bell seal
- How to change dosing seals kit

<https://dosatron.tv/>

Spare Parts Price List 2022

D3TRE3000 1/2

SKU	Description	Retail Price (excl. VAT)
20J006	O-ring seal (HT or VF)	5,65 €
CDDI079-1	Injection assembly (VF or HTAF)	263,71 €
ET272T	D3TRE3000 HIGH TEMPERATURE technical label	10,35 €
JDI120	O-ring seal (HT or VF)	16,73 €
JDI130	O-ring seal (HT or VF)	11,62 €
JDI148	Flat seal AF or VF - 80SH	21,65 €
MPDI204	Strainer 4x6 PE	54,04 €
MPDI205	Suction sub assembly 4 x 6	92,84 €
P150	Nut	5,54 €
PDI1061	Ferrule Diam. 6	3,30 €
PDI1270U	Machined dosing pump body - upper half	64,89 €
PDI1271U	Machined dosing pump body - lower half	100,92 €
PDI578	Hose 4 x 6 PTFE (meter)	14,71 €
PDI727	Anti-rotation ring	1,92 €
PDI733	Blocking ring	9,80 €
PDI734U	Nut	7,79 €
PDI904	Sleeve	20,04 €
PDI918	Injection valve seat	10,98 €
PDI921	Plunger piston	19,40 €
PJDI063	Suction valve sub-assy AF or VF	25,37 €
PJDI113P	Pump body sub-assy PVDF + diffusor + sealwall support	219,58 €

SKU	Description	Retail Price (excl. VAT)
PJDI138-1	Sub-Assembly plunger (AF or VF)	37,50 €
PJDI139-1	Dosing unit + valve (HT/AF or VF)	118,04 €
PJDI140	Suction valve sub-assy (AF or VF)	38,80 €
PPDI036	Adjusting ring with eyelet + Adjusting nut	11,40 €
EMDI006	Motor seals set (HT or VF)	19,51 €
JDI001	O-ring seal	0,64 €
JDI100	O-ring seal (HT or VF)	16,31 €
JDI108	O-ring seal (HT or VF)	4,26 €
MPDI184	Washer sub-assy	12,79 €
MPDI186BPP	Bell-housing assy, PVDF, with by-pass + seal	202,73 €
MPDI186BPP-1	Bell-housing assy, PVDF, with by-pass + seal	212,87 €
MPDI186P	Bell housing assy, PVDF with bellows + seal	185,57 €
MPDI186P-1	Bell housing assy, PVDF with bellows + seal	194,85 €
MPDI193P	PVDF By-pass cover sub-assembly	29,52 €
MPDI196P	Complete by-pass sub-assy	33,90 €
MPDI243U	Upper reinforced lip - machined	60,70 €
MPDI244U	Lower reinforced lip - machined	37,27 €
PCDI031	Motor Sub-assembly D3TRE (HT or VF)	546,19 €
PDI1236	Upper ring attachment	64,89 €
PDI1237	Lower ring attachment	111,75 €
PDI642PU	Machined PVDF piston	72,74 €
PDI645	Valve support	22,49 €



Spare Parts Price List 2022

D3TRE3000 2/2

SKU	Description	Retail Price (excl. VAT)
PDI646-1	Upper valve (Graphite)	9,85 €
PDI647	Push rod	13,32 €
PDI648	Push rod seal	3,73 €
PDI649-1	D3 connecting rod (graphite)	28,00 €
PDI650-1	Lower valve (Graphite)	9,85 €
PDI651U	D3 tension spring - machined	109,59 €
PDI685P	Bell housing, PVDF	175,24 €
PDI700	Washer cap	2,56 €
PDI702	Nut	6,60 €
PDI703	Wall support	7,79 €
PDI830	Belt	3,84 €
PJDI123HT	By-pass plug + seal	13,22 €
PPDI034	Upper and lower piston lip sub-assy + spring+ seal+connecting rod	28,35 €
PPDI034-1	Sub-assembly upper/lower piston lip + upper/lower ring attachment	414,22 €
PPDI057P	3/4" PVDF body sub-assembly + diffuser + mounting bracket	211,48 €
PPDI067	Sub-assembly plunger attachment + retaining washer	101,94 €



Spare Parts Price List 2022

D3TRE5 1/2

SKU	Description	Retail Price (excl. VAT)
CDDI075-1	D3TRE5 injection assembly (HT or VF or HTAF)	401,46 €
CDDI075V-1	D3TRE5 V injection assembly (HT or VF or HTAF)	401,76 €
ET273T	D3TRE5 HIGH TEMPERATURE technical label	10,35 €
JDI121	Flat seal (AF or VF)	13,65 €
JDI122	O-ring seal (HT or VF)	12,79 €
MPDI211	Strainer	17,26 €
MPDI254	Suction assembly: 12 x 16 - 2.75 M	65,19 €
PDI1134	D3RE5/D3RE10 Constant velocity washer	50,74 €
PDI1268	Hose: 12 x 16 - 2.75 M	50,78 €
PDI746	Blocking ring	9,16 €
PDI747	Valve nut	5,23 €
PDI748	Hose nut	7,46 €
PDI751	Anti-rotation ring	1,81 €
PDI753U1	D3 dosing pump body - 0.5 to 5 % machined - PTFE	292,67 €
PDI754	Plunger piston	27,18 €
PDI803	Hose nut	6,29 €
PDI805	Seeve	20,15 €
PJDI117	Suction valve sub-assy + barbed fitting diam 12 (HT or VF or HTAF)	30,38 €
PJDI118	Suction valve sub-assy + barbed fitting diam 16 – (HT or VF or HTAF)	36,88 €
PJDI119	Plunger piston sub-assy + seal (AF or VF)	36,56 €
PJDI120	Injection seals kit + valve + barbed fitting (HT or VF or HTAF)	52,55 €
PJDI120V	Injection seals kit + valve + barbed fitting (HT or VF or HTAF)	57,35 €
PPDI037	Adjusting ring with eyelet	16,20 €

SKU	Description	Retail Price (excl. VAT)
EMDI006	Motor seals set (HT or VF)	19,51 €
JDI001	O-ring seal	0,64 €
JDI100	O-ring seal (HT or VF)	16,31 €
JDI108	O-ring seal (HT or VF)	4,26 €
MPDI184	Washer sub-assy	12,79 €
MPDI186BPP	Bell-housing assy, PVDF, with by-pass + seal	202,73 €
MPDI186BPP-1	Bell-housing assy, PVDF, with by-pass + seal	212,87 €
MPDI186P	Bell housing assy, PVDF with bellows + seal	185,57 €
MPDI186P-1	Bell housing assy, PVDF with bellows + seal	194,85 €
MPDI193P	PVDF By-pass cover sub-assembly	29,52 €
MPDI196P	Complete by-pass sub-assy	33,90 €
MPDI243U	Upper reinforced lip - machined	60,70 €
MPDI244U	Lower reinforced lip - machined	37,27 €
MPDI249	16-22 moulded strainer - 300 µm	111,75 €
MPDI252	Suction assembly: 16 x 22 - 2.75 M	171,62 €
PCDI031	Motor Sub-assembly D3TRE (HT or VF)	546,19 €
PDI1236	Upper ring attachment	64,89 €
PDI1237	Lower ring attachment	111,75 €
PDI1269	Reinforced hose: 16 x 22 - 2.75 M	63,06 €
PDI642PU	Machined PVDF piston	72,74 €
PDI645	Valve support	22,49 €
PDI646-1	Upper valve (Graphite)	9,85 €
PDI647	Push rod	13,32 €
PDI648	Push rod seal	3,73 €

Spare Parts Price List 2022

D3TRE5 2/2

SKU	Description	Retail Price (excl. VAT)
PDI649-1	D3 connecting rod (graphite)	28,00 €
PDI650-1	Lower valve (Graphite)	9,85 €
PDI651U	D3 tension spring - machined	109,59 €
PDI685P	Bell housing, PVDF	175,24 €
PDI700	Washer cap	2,56 €
PDI702	Nut	6,60 €
PDI703	Wall support	7,79 €
PDI830	Belt	3,84 €
PJDI113PD	Sub-assembly PVDF body + diffuser + washer	236,93 €
PJDI123HT	By-pass plug + seal	13,22 €
PPDI034	Upper and lower piston lip sub-assy + spring+ seal+connecting rod	28,35 €
PPDI034-1	Sub-assembly upper/lower piston lip + upper/lower ring attachment	414,22 €
PPDI057P	3/4' PVDF body sub-assembly + diffuser + mounting bracket	211,48 €
PPDI067	Sub-assembly plunger attachment + retaining washer	101,94 €



Spare Parts Price List 2022

D3TRE10 1/2

SKU	Description	Retail Price (excl. VAT)
20M046	Flange	4,05 €
CDDI076-1	D3TRE10 injection assembly (HT or VF or HTAF)	416,83 €
CDDI076V-1	D3TRE10 V injection assembly (HT or VF or HTAF)	419,60 €
ET433T	D3TRE10 technical label	10,35 €
JDI122	O-ring seal (HT or VF)	12,79 €
JDI123	Flat seal (AF or VF)	11,40 €
MPDI250	20-27 moulded strainer - 300 µm	109,88 €
MPDI253	Suction assembly: 20 x 27 - 2.75 M	166,31 €
PDI1257	Hose: 20 x 27 - 2.75 M	60,80 €
PDI741	Fixed sleeve	20,15 €
PDI743U1	Machined PTFE dosing pump body	292,67 €
PDI746	Blocking ring	9,16 €
PDI747	Valve nut	5,23 €
PDI748	Hose nut	7,46 €
PDI749	Plunger piston	24,62 €
PDI751	Anti-rotation ring	1,81 €
PJDI118	Suction valve sub-assy + barbed fitting diam 16 – (HT or VF or HTAF)	36,88 €
PJDI118V	Suction valve sub-assy + barbed fitting diam 20 V (HT or VF or HTAF)	40,18 €
PJDI121	Plunger piston sub-assy + seal (AF or VF)	36,67 €
PJDI122	Injection seals kit + suction valve + barbed fitting (HT or VF or HTAF)	54,89 €
PJDI122V	Injection seals kit + suction valve + barbed fitting (HT or VF or HTAF)	57,77 €
PPDI037	Adjusting ring with eyelet	16,20 €

SKU	Description	Retail Price (excl. VAT)
EMDI006	Motor seals set (HT or VF)	19,51 €
JDI001	O-ring seal	0,64 €
JDI100	O-ring seal (HT or VF)	16,31 €
JDI108	O-ring seal (HT or VF)	4,26 €
MPDI184	Washer sub-assy	12,79 €
MPDI186BPP	Bell-housing assy, PVDF, with by-pass + seal	202,73 €
MPDI186BPP-1	Bell-housing assy, PVDF, with by-pass + seal	212,87 €
MPDI186P	Bell housing assy, PVDF with bellows + seal	185,57 €
MPDI186P-1	Bell housing assy, PVDF with bellows + seal	194,85 €
MPDI193P	PVDF By-pass cover sub-assembly	29,52 €
MPDI196P	Complete by-pass sub-assy	33,90 €
MPDI243U	Upper reinforced lip - machined	60,70 €
MPDI244U	Lower reinforced lip - machined	37,27 €
MPDI249	16-22 moulded strainer - 300 µm	111,75 €
MPDI252	Suction assembly: 16 x 22 - 2.75 M	171,62 €
PCDI031	Motor Sub-assembly D3TRE (HT or VF)	546,19 €
PDI1134	D3RE5/D3RE10 Constant velocity washer	50,74 €
PDI1236	Upper ring attachment	64,89 €
PDI1237	Lower ring attachment	111,75 €
PDI1269	Reinforced hose: 16 x 22 - 2.75 M	63,06 €
PDI642PU	Machined PVDF piston	72,74 €
PDI645	Valve support	22,49 €
PDI646-1	Upper valve (Graphite)	9,85 €
PDI647	Push rod	13,32 €

Spare Parts Price List 2022

D3TRE10 2/2

SKU	Description	Retail Price (excl. VAT)
PDI648	Push rod seal	3,73 €
PDI649-1	D3 connecting rod (graphite)	28,00 €
PDI650-1	Lower valve (Graphite)	9,85 €
PDI651U	D3 tension spring - machined	109,59 €
PDI685P	Bell housing, PVDF	175,24 €
PDI700	Washer cap	2,56 €
PDI702	Nut	6,60 €
PDI703	Wall support	7,79 €
PDI830	Belt	3,84 €
PJDI113PD	Sub-assembly PVDF body + diffuser + washer	236,93 €
PJDI123HT	By-pass plug + seal	13,22 €
PPDI034	Upper and lower piston lip sub-assy + spring+ seal+connecting rod	28,35 €
PPDI034-1	Sub-assembly upper/lower piston lip + upper/lower ring attachment	414,22 €
PPDI057P	3/4' PVDF body sub-assembly + diffuser + mounting bracket	211,48 €
PPDI067	Sub-assembly plunger attachment + retaining washer	101,94 €



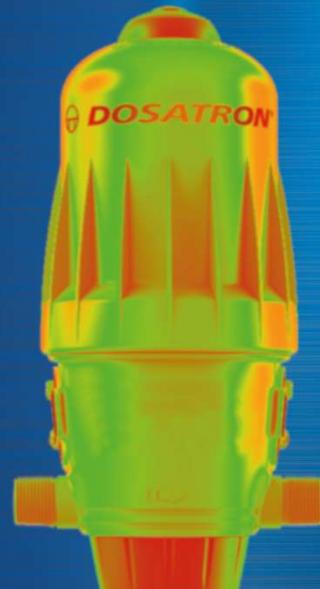
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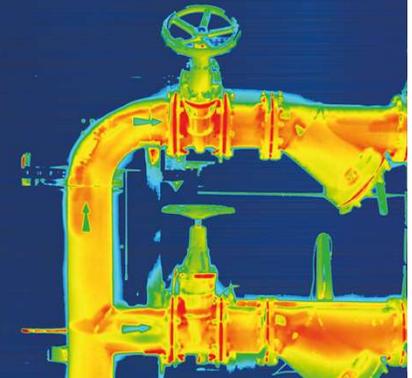


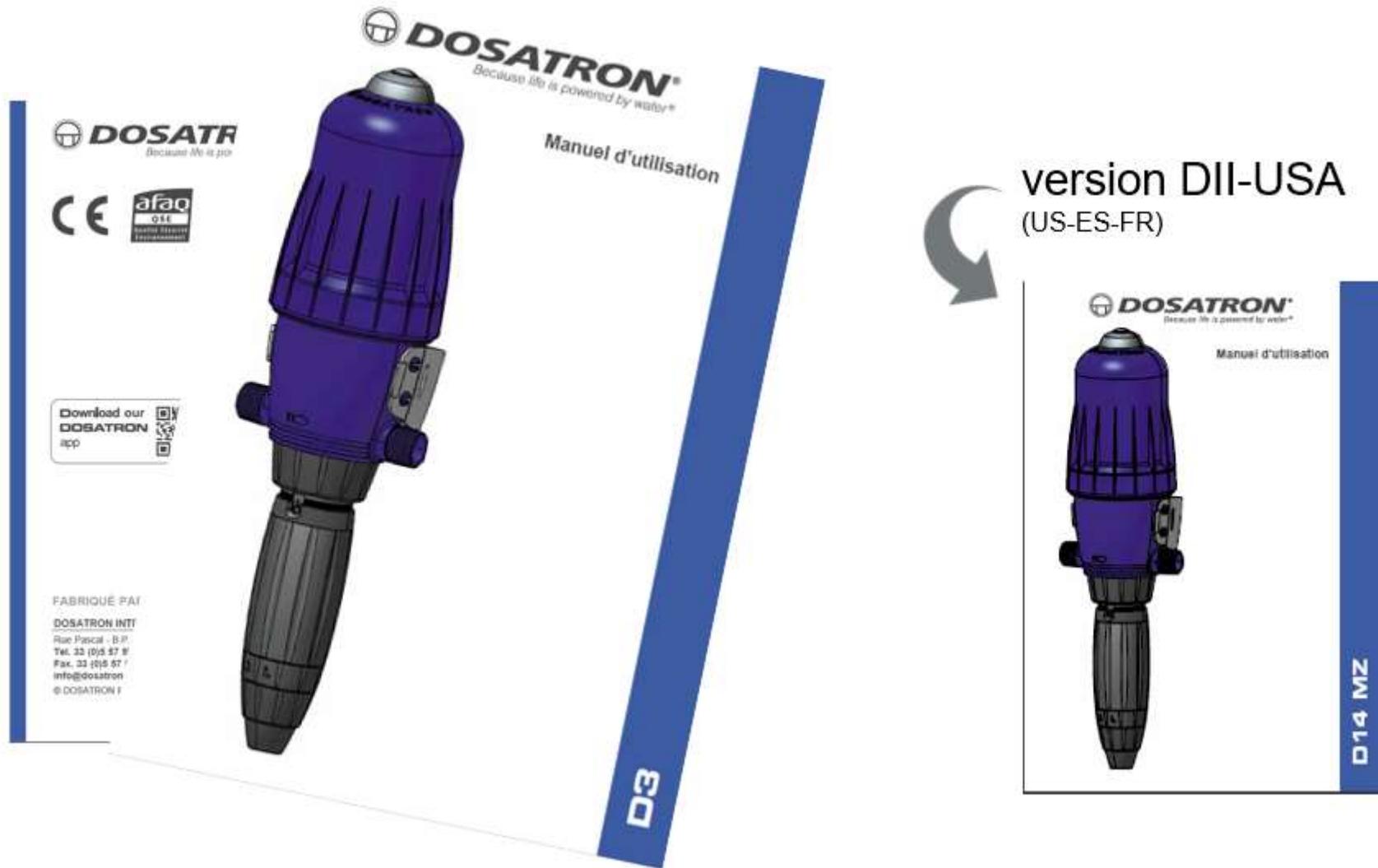
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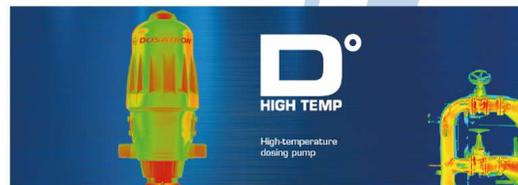
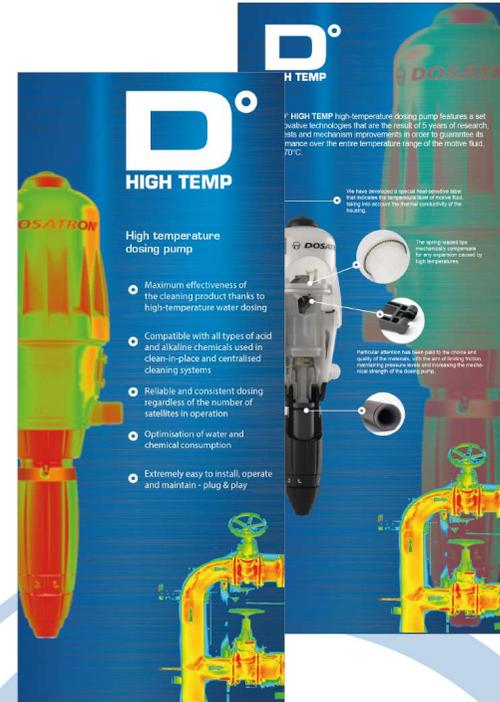
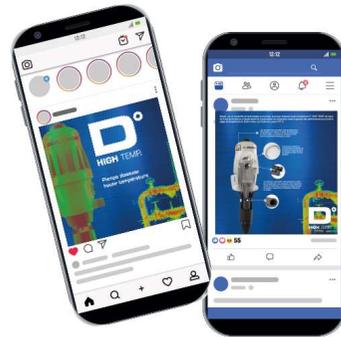
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HIGH TEMP

High-temperature
dosing pump





D° HIGH TEMP



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