

Pump & Bund Chemical Dosing Systems

- **Boiler Water Treatment (<16 Bar)**
- **Cooling Water Treatment**
- **Seawater Treatment**
- **Potable Water Treatment**
- **Bilge/Ballast Water Treatment**
- **Fuel Oil Treatment**

Features and Benefits of Pump & Bund Dosing Systems



- Chemical dosing direct from the drum
- Reduced need for chemical handling
- Better Control
- The bund is designed to contain any leakages or spills
- Safe containment
- Improved Health and Safety
- Compact blueprint
- Tidy appearance
- An easy upgrade to Automated Dosing Systems



Ordering Information

1. EDP 777310 - Boiler Water Dosing System <16Bar with Timer Functionality (Dosing Unit per Treatment Chemical)

Description	Quantity	WSS Component Part No.	Included in EDP 777310
Gama X Dosing Pump 1602PVT	1	778926	Yes
Suction Assembly with Float Switch 6x4mm	1	619692	Yes
Drum Bund with Pump Stand	1	778909	Yes
Hot Water Injector 200°C 6 x 4mm	1	778908	Yes
6X4MM PTFE DOUBLE WALLED DOSING TUBE 10M	1	779080	Yes
Spares Pack for Beta and Gamma X Dosing Pump 1602 PVT (Mandatory Spares Pack)	1	683706	Yes
Soft PVC tube 6x4mm 5m for priming the dosing pump	1	734836	Yes
* BW Dosing Unit Spare Parts Kit (Recommended Spares Pack)	1	734852	No
* Multifunction Valve - MFV-DK SIZE 1.5/10 BAR PVDF (in case of chemical dosing point lower in position than chemical dosing pump)	1	779088	No

2. EDP 777312 - Boiler Water Dosing System <16Bar without Timer Functionality (Dosing Unit per Treatment Chemical)

Description	Quantity	WSS Component Part No.	Included in EDP 777312
BETA Dosing Pump 1602PVT	1	762532	Yes
Suction Assembly with Float Switch 6x4mm	1	619692	Yes
Drum Bund with Pump Stand	1	778909	Yes
Hot Water Injector 200°C 6 x 4mm	1	778908	Yes
6X4MM PTFE DOUBLE WALLED DOSING TUBE 10M	1	779080	Yes
Spares Pack for Beta and Gamma X Dosing Pump 1602 PVT (Mandatory Spares Pack)	1	683706	Yes
Soft PVC tube 6x4mm 5m for priming the dosing pump	1	734836	Yes
* BW Dosing Unit Spare Parts Kit (Recommended Spares Pack)	1	734852	No
* Multifunction Valve - MFV-DK SIZE 1.5/10 BAR PVDF (in case of chemical dosing point lower in position than chemical dosing pump)	1	779088	No

3. EDP 777314 - Cooling Water Dosing System with Timer Functionality (Dosing Unit per Treatment Chemical)

Description	Quantity	WSS Component Part No.	Included in EDP 777314
Gama X Dosing Pump 1602PVT	1	778926	Yes
Suction Assembly with Float Switch 6x4mm	1	619692	Yes
Drum Bund with Pump Stand	1	778909	Yes
PVDF Injection Valve 6X4MM	1	778927	Yes
6X4MM PTFE DOUBLE WALLED DOSING TUBE 10M	1	779080	Yes
Spares Pack for Beta and Gamma X Dosing Pump 1602 PVT (Mandatory Spares Pack)	1	683706	Yes
Soft PVC tube 6x4mm 5m for priming the dosing pump	1	734836	Yes
* Multifunction Valve - MFV-DK SIZE 1.5/10 BAR PVDF (in case of chemical dosing point lower in position than chemical dosing pump)	1	779088	No

* Items not part of the package and need to be ordered separately if they are required

4. EDP 777316 - Cooling Water Dosing System **without Timer Functionality** (Dosing Unit per Treatment Chemical)

Description	Quantity	WSS Component Part No.	Included in EDP 777316
BETA Dosing Pump 1602PVT	1	762532	Yes
Suction Assembly with Float Switch 6x4mm	1	619692	Yes
Drum Bund with Pump Stand	1	778909	Yes
PVDF Injection Valve 6X4MM	1	778927	Yes
6X4MM PTFE Double Walled Dosing Tube 10M	1	779080	Yes
Spares Pack for Beta and Gamma X Dosing Pump 1602 PVT (Mandatory Spares Pack)	1	683706	Yes
Soft PVC tube 6x4mm 5m for priming the dosing pump	1	734836	Yes
* Multifunction Valve - MFV-DK SIZE 1.5/10 BAR PVDF (in case of chemical dosing point lower in position than chemical dosing pump)	1	779088	No

5. EDP 777318 – Potable/Ballast Water Dosing System **with Timer Functionality** (Dosing Unit per Treatment Chemical)

Description	Quantity	WSS Component Part No.	Included in EDP 777318
Gama X Dosing Pump 1602PVT	1	778926	Yes
Suction Assembly with Float Switch 6x4mm	1	619692	Yes
Drum Bund with Pump Stand	1	778909	Yes
PVDF Injection Valve 6X4MM	1	778927	Yes
6MM PTFE DOUBLE WALLED DOSING TUBE 10M	1	779080	Yes
Spares Pack for Beta and Gamma X Dosing Pump 1602 PVT (Mandatory Spares Pack)	1	683706	Yes
Soft PVC tube 6x4mm 5m for priming the dosing pump	1	734836	Yes
* Multifunction Valve - MFV-DK SIZE 1.5/10 BAR PVDF (in case of chemical dosing point lower in position than chemical dosing pump)	1	779088	No

NOTE: Gamma X pump has a setting called HV1, to enable it to be used with chemicals that normally produce gas, causing the pump to lose prime

6. EDP 777320 - Seawater Water Dosing System **with Timer Functionality** (Dosing Unit per Treatment Chemical)

Description	Quantity	WSS Component Part No.	Included in EDP 777320
GAMMA X PUMP 0414PVT 12L/H 4BAR	1	779102	Yes
MULTIFUNCTION VALVE FOR 8X5MM	1	779011	Yes
SUCTION ASSY/PVC/8X5MM/LEVEL SW	1	779098	Yes
DRUM BUND WITH PUMP STAND	1	778909	Yes
PVDF INJECTION VALVE 8X5MM R1/2	1	619734	Yes
8X5MM PE 25MTR DOSING TUBE	1	779013	Yes
SPARE KIT DOSING PUMP 0413/0414 PVT	1	683714	Yes
Soft PVC tube 6x4mm 5m for priming the dosing pump	1	734836	Yes
* Extra Component to be ordered separately - if there is a requirement to have 2 dosing points from 1 dosing system			
* 3-WAY VALVE SET FOR 2 DOSING POINTS (including one additional PVDF injection point and dosing tube)	1	619890	No

* Items not part of the package and need to be ordered separately if they are required

7. EDP 777322 - Seawater Water Dosing System **without Timer Functionality** (Dosing Unit per Treatment Chemical)

Description	Quantity	WSS Component Part No.	Included in EDP 777322
BETA PUMP BT4B0413PVT 12.3L/H 4BAR	1	773226	Yes
MULTIFUNCTION VALVE FOR 8X5MM	1	779011	Yes
SUCTION ASSY/PVC/8X5MM/LEVEL SW	1	779098	Yes
DRUM BUND WITH PUMP STAND	1	778909	Yes
PVDF INJECTION VALVE 8X5MM R1/2	1	619734	Yes
8X5MM PE 25MTR DOSING TUBE	1	779013	Yes
SPARE KIT DOSING PUMP 0413/0414 PVT	1	683714	Yes
Soft PVC tube 6x4mm 5m for priming the dosing pump	1	734836	Yes
* Extra Component to be ordered separately - if there is a requirement to have 2 dosing points from 1 dosing system			
* 3-WAY VALVE SET FOR 2 DOSING POINTS (including one additional PVDF injection point and dosing tube)	1	619890	No

8. EDP 777324 – Bilge/Ballast Water Dosing System **with Timer Functionality** (Dosing Unit per Treatment Chemical)

Description	Quantity	WSS Component Part No.	Included in EDP 777324
Gama X Dosing Pump 1602PVT	1	778926	Yes
Suction Assembly with Float Switch 6x4mm	1	619692	Yes
Drum Bund with Pump Stand	1	778909	Yes
PVDF Injection Valve 6X4MM	1	778927	Yes
6X4MM PTFE DOUBLE WALLED DOSING TUBE 10M	1	779080	Yes
Spares Pack for Beta and Gamma X Dosing Pump 1602 PVT (Mandatory Spares Pack)	1	683706	Yes
Soft PVC tube 6x4mm 5m for priming the dosing pump	1	734836	Yes
* Multifunction Valve - MFV-DK SIZE 1.5/10 BAR PVDF (in case of chemical dosing point lower in position than chemical dosing pump)	1	779088	No

9. EDP 777326 – Bilge/Ballast Water Dosing System **without Timer Functionality** (Dosing Unit per Treatment Chemical)

Description	Quantity	WSS Component Part No.	Included in EDP 777326
BETA Dosing Pump 1602PVT	1	762532	Yes
Suction Assembly with Float Switch 6x4mm	1	619692	Yes
Drum Bund with Pump Stand	1	778909	Yes
PVDF Injection Valve 6X4MM	1	778927	Yes
6X4MM PTFE Double Walled Dosing Tube 10M	1	779080	Yes
Spares Pack for Beta and Gamma X Dosing Pump 1602 PVT (Mandatory Spares Pack)	1	683706	Yes
Soft PVC tube 6x4mm 5m for priming the dosing pump	1	734836	Yes
* Multifunction Valve - MFV-DK SIZE 1.5/10 BAR PVDF (in case of chemical dosing point lower in position than chemical dosing pump)	1	779088	No

*** Items not part of the package and need to be ordered separately if they are required**

10. EDP 777328 - Fuel Oil Dosing System **with Timer Functionality** (Dosing Unit per Treatment Chemical)

Description	Quantity	WSS Component Part No.	Included in EDP 777328
Gama X Dosing Pump 1602PVT	1	778926	Yes
Suction Assembly with Float Switch 6x4mm	1	619692	Yes
Drum Bund with Pump Stand	1	778909	Yes
Hot Water Injector 200°C 6 x 4mm	1	778908	Yes
6X4MM PTFE DOUBLE WALLED DOSING TUBE 10M	1	779080	Yes
Spares Pack for Beta and Gamma X Dosing Pump 1602 PVT (Mandatory Spares Pack)	1	683706	Yes
Soft PVC tube 6x4mm 5m for priming the dosing pump	1	734836	Yes
* BW Dosing Unit Spare Parts Kit (Recommended Spares Pack)	1	734852	No
* Multifunction Valve - MFV-DK SIZE 1.5/10 BAR PVDF (in case of chemical dosing point lower in position than chemical dosing pump)	1	779088	No

11. EDP 777330 - Fuel Oil Dosing System **without Timer Functionality** (Dosing Unit per Treatment Chemical)

Description	Quantity	WSS Component Part No.	Included in EDP 777330
BETA Dosing Pump 1602PVT	1	762532	Yes
Suction Assembly with Float Switch 6x4mm	1	619692	Yes
Drum Bund with Pump Stand	1	778909	Yes
Hot Water Injector 200°C 6 x 4mm	1	778908	Yes
6X4MM PTFE DOUBLE WALLED DOSING TUBE 10M	1	779080	Yes
Spares Pack for Beta and Gamma X Dosing Pump 1602 PVT (Mandatory Spares Pack)	1	683706	Yes
Soft PVC tube 6x4mm 5m for priming the dosing pump	1	734836	Yes
* BW Dosing Unit Spare Parts Kit (Recommended Spares Pack)	1	734852	No
* Multifunction Valve - MFV-DK SIZE 1.5/10 BAR PVDF (in case of chemical dosing point lower in position than chemical dosing pump)	1	779088	No

* Items not part of the package and need to be ordered separately if they are required

Spare Parts Information

SPARE PARTS FOR PUMP AND BUND DOSING SYSTEMS		
Sr. No.	Description	WSS Part No.
1	Beta Dosing Pump 1602PVT	762532
2	Gamma X Dosing Pump 1602PVT	778926
3	Beta Dosing Pump 0413PVT (for Seawater dosing system)	773226
4	Gamma X Dosing Pump 0414PVT (for Seawater dosing system)	779102
5	Beta Dosing Pump BT5B2504NPT2 (for 25 Bar Boiler Water dosing system)	773192
6	6x4mm PVC Suction Assembly with Cap and 2-stage Level Switch	619692
7	8x5mm PVC Suction Assembly with Cap and 2-stage Level Switch (for Seawater dosing systems)	779098
8	6x4mm PP Suction Assembly without Cap and with Level Switch (for Pump & Tank dosing systems)	619720
9	8x5mm PP Suction Assembly without Cap and with Level Switch (for Pump & Tank dosing systems)	619718
10	Gamma X 1602PVT Wet End	734812
11	Beta Pump 1602PVT Wet End	734808
12	Beta/Gamma X 0413/0414PVT Wet End (for Seawater dosing systems)	779100
13	Beta Pump BT5B2504NPT2 Wet End (for 25 Bar Boiler Water dosing unit)	722832
14	Spares Pack for Beta and Gamma X Dosing Pump 1602PVT	683706
15	Spares Pack for Beta Dosing Pump 0413/0414PVT (for Seawater dosing systems)	683714
16	Spares Pack for Beta Dosing Pump 2504NPT2 (for 25 Bar Boiler Water dosing unit)	722836
17	Soft PVC tube 6x4mm 5m for priming the dosing pump	734836
18	6x4mm PTFE Dosing Tube 5m	619643
19	6x4mm PTFE Dosing Tube 10m	779084
20	8x5mm PE 25m Dosing Tube (for Seawater Dosing Systems)	779013
21	PVDF Injection Valve 6x4mm (per chemical dosing point)	778927
22	PVDF Injection Valve 8x5mm (per chemical dosing point, for Seawater dosing systems)	619734
23	Universal Control Cable 10m (for external control of dosing pumps)	766408

SPARE PARTS FOR PUMP AND BUND DOSING SYSTEMS		
Sr. No.	Description	WSS Part No.
24	BW DOSING UNIT SPARE PARTS KIT for EDPs 777310, 777312, 777328 and 777330 (recommended Spares Pack while selling the chemical dosing systems and NOT included in EDPs 777310, 777312, 777328 and 777330) Contains the following items - - SS CONNECTOR/ADAPTOR 6mm - EDP 734816 - Qty 1 - FERRULE SS 6mm - EDP 734820 - Qty 4 - COMPRESSION RINGS 6mm - EDP 734824 - Qty 2 - CONNECTOR KIT PVDF 6mm - EDP 734828 - Qty 2 - LEVEL SWITCH ROUND PLUG 2m PVDF - EDP 734832 - Qty 1 - SS COMPRESSION FERRULE 6mm - EDP 779039 - Qty 2	734852
25	Spare parts for 6x4mm SS316 Hot-Water Injection Valve Assembly (EDP 778908) for TWO chemical injection points (1 qty. of each 25a (EDP 734820), 25b (EDP 734824) and 25c (EDP 779039) needs to be ordered together for the complete set)	
a	FERRULE SS 6mm (Qty 4 per EDP)	734820
b	COMPRESSION RINGS 6mm (Qty 2 per EDP)	734824
c	SS COMPRESSION FERRULE 6mm (Qty 2 per EDP)	779039