



Project Name	New Delta ADWTP in Al Dabaa Corridor 7,500,000 m ³ /day	
Project Code	CA211200	
Document Name	Valves Data -Technical Data sheet	
Transmittal Number	NDWTP-MT-EM-ME-KA-ON-0153	
Rev. No.	00	
Discipline	Mechanical	
Receiving date	05/10/2021	
Reply date	11/10/2021	
Status	<input type="checkbox"/>	Code A: Approved
	<input checked="" type="checkbox"/>	Code B: Approved with comments
	<input type="checkbox"/>	Code C: Disapproved
	<input type="checkbox"/>	Code D: Review, for information only, not required (work proceed)

New Delta WTP
In ElDabaa Corridor
6 Million m³/day

Submittal

Approved



Approved As Noted

Rejected

Name: *Stafel*
CONFIDENTIAL
Signature: _____
Date: 11-10-2021

Comments

1. Quantity, type, diameters, operations for all valves shall JV responsibility and it should be according to the final approval P&I diagram and shop drawings.
2. The valves for Sludge/Clarifier Sludge/ Backwash waste/supernatant/drain water should be Gate type due to the suspended solids in the water).
3. Butterfly valves should be double flanged type for main water lines.
4. Following Mahsama and the project specification, the valve material of construction should be ductile iron GGG50, please see the attached approval for Mahsama.
5. Air valves should be included in the valve submittal.
6. Valve supplier to confirm the following:
 - i. All check valves are equipped with lever and adjustable counter weight.
 - ii. Hand wheel shall be made of cast iron.
 - iii. Manual operating wheel shall be provided for the motorized valve.
 - iv. Internal lining and external coating shall be made in accordance with the specifications.
 - v. Butterfly valve shall be equipped with an adjustable ending.

  M.O.L	TITLE	Valves Data Sheet	DOC. NO.	MTP-TR-MOL-0007
	PROJECT	AL-Mahsama Drainage Water Treatment Plant Capacity 1,000,000 m3/day	REV.	A
	OWNER	The Armament Authority- Ministry of defense of the Government of the Arab Republic of Egypt	SHEET NO.	1 OF 3
	CONTRACT NO.		METITO PROJECT NO.	150-181-000

Provide valve list including
Quantity, diameter, MOC,
location, TAG No. According
to final detail design
and approved PID

Water Department
Technical Office

Mahsama WWTP
One Million m³/Day
Project
Submittal

Approved
 Approved as Noted
 Rejected

Name: **CONFIDENTIAL**
Signature:
Date: 26-7-2018

QA/QC Controlled
Document



Name: **CONFIDENTIAL**
Sign:
Date: 30/7/2018

Valves Technical Data Sheet

Prepared by:
Metito Overseas Limited (M.O.L)
Pyramids Heights office Park- Bldg 7 Km 22 Cairo – Alex Desert Road
Tel. : 20-2-35368100
Fax. : 20-2- 35362400



A	ISSUED FOR APPROVAL	24-07-2018	A.H		
REV. NO	REVISIONS	DATE	PREPARED	CHECKED	APPD

  M.O.L	TITLE	Valves Data Sheet	DOC. NO.	MTP-TR-MOL-0007
	PROJECT	AL-Mahsama Drainage Water Treatment Plant Capacity 1,000,000 m3/day	REV.	A
	OWNER	The Armament Authority- Ministry of defense of the Government of the Arab Republic of Egypt	SHEET NO.	2 OF 3
	CONTRACT NO.		METITO PROJECT NO.	150-181-000

Technical submission:

Water Department
Technical Office

1. **General:**

Equipment General Data	
Manufacturer	Valveit
Origin	Italy-EU

2. **Automatic Butterfly Valves**

Actuator	Body Material	Disc/plate /wedge Material	Seat	Shaft
AUMA	GGG-40+Epoxy <i>So</i>	GGG-40+Epoxy <i>So</i>	EPDM	AISI420

3. **Manual Butterfly Valves**


Size - mm	Body Material	Disc/plate /wedge Material	Seat	Shaft
Up to 700	GGG-40+Epoxy <i>So</i>	GGG-40+Epoxy <i>So</i>	EPDM	AISI420

4. **Manual Gate Valves**

Size - mm	Body Material	Disc/plate /wedge Material	Seat
Up to 300	GGG50	GGG50+fully EPDM coated	EPDM

5. **Manual Knife Gate Valve**


Size - mm	Service	Body Material	Disc/plate /wedge Material	Seat
100-150	Thickened Sludge	GG25	S.S304	EPDM


Mahsama WWTP
 One Million m³/Day Project
 Submittal

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Name: CONFIDENTIAL
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Name: _____
 Sign Date: 30/7/2018

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METITO

(Overseas) Ltd.

METITO**M.O.L**

TITLE	Valves Data Sheet	DOC. NO.	MTP-TR-MOL-0007
PROJECT	AL-Mahsama Drainage Water Treatment Plant Capacity 1,000,000 m3/day	REV.	A
OWNER	The Armament Authority- Ministry of defense of the Government of the Arab Republic of Egypt	SHEET NO.	3 OF 3
CONTRACT NO.		METITO PROJECT NO.	150-181-000

6. Swing Check Valve

Size - mm	Body Material	Disc/plate /wedge Material	Seat
Up to 150	GGG50	GGG50	Bronze

7. Titling Check Valve

Size - mm	Body Material	Disc/plate /wedge Material	Seat
200- 300	GGG50	GGG50	Bronze

8. Titling Check Valve With Counter weight and hydraulic damper

Size - mm	Body Material	Disc/plate /wedge Material	Seat
350 - 1200	GGG50	GGG50	Bronze

Mahsama WWT
One Million m³/Day
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Name : _____

Sign : _____

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**Water Department
Technical Office**

