



REVERSE OSMOSIS SYSTEMS



SYSTEM GENERAL SPECIFICATIONS

- * Epoxy painted ST37 Skid
- * PVC low pressure and high pressure piping
- * Automation with electronic card
- * Float type flowmeter
- * High quality membrane and membrane pressure vessel
- * Rotary pump

SYSTEM OPTIONAL SPECIFICATIONS

- * SS 304 Skid
- * SS 304 or SS 316 piping
- * PLC

STOCK CODE	MODEL	FEED FLOW (M3/D)	PERMEATE FLOW (M3/H)	PERMEATE FLOW (M3/D)	EFF. (%)	MEMBRANE TYPE	MEMBRANE QUANTITY	PUMP POWER (KW)	PRESSURE (BAR)
MS10075S	DRO 75 S	3,6	0,075	1,8	50	2540	1	0,55	12
MS10250S	DRO 250 S	12	0,25	6	50	4040	2	0,75	12
MS10500S	DRO 500 S	24	0,50	12	50	4040	2	0,75	12

* Standard system designs are made considering TDS: 2000 ppm. It is recommended to provide raw water analysis prior to ordering the system, as changes in raw water criterias may alter the system design.

* Since the standard system design is made according to rotary pump, ST 37 epoxy painted skid, electronic card automation and PVC piping, different equipment choices may create price differences.

SYSTEM GENERAL SPECIFICATIONS

- * Epoxy painted ST37 Skid
- * PVC low pressure and high pressure piping
- * Automation with electronic card
- * Float type flowmeter
- * High quality membrane and membrane pressure vessel
- * Vansan vertical high pressure pump

SYSTEM OPTIONAL SPECIFICATIONS

- * SS 304 Skid
- * SS 304 or SS 316 piping
- * Grundfos, Lowara or Ebara high pressure pump
- * PLC



STOCK CODE	MODEL	FEED FLOW (M3/D)	PERMEATE FLOW (M3/H)	PERMEATE FLOW (M3/D)	EFF. (%)	MEMBRANE TYPE	MEMBRANE QUANTITY	PUMP POWER (KW)	PRESSURE (BAR)
MS10500M	DRO 500 M	24	0,50	12	50	4040	2	1,1	10
MS10750M	DRO 750 M	36	0,75	18	50	4040	3	1,1	10
MS10950M	DRO 950 M	46	0,95	23	50	4040	4	1,5	10
MS11400M	DRO 1400 M	56	1,4	34	60	4040	6	1,5	10
MS12000M	DRO 2000 M	80	2	48	60	4040	9	2,2	10
MS12500M	DRO 2500 M	100	2,5	60	60	4040	12	3	10
MS13000M	DRO 3000 M	120	3	72	60	4040	15	3	10

* Standard system designs are made considering TDS: 2000 ppm. It is recommended to provide raw water analysis prior to ordering the system, as changes in raw water criterias may alter the system design.

* Since the standard system design is made according to rotary pump, ST 37 epoxy painted skid, electronic card automation and PVC piping, different equipment choices may create price differences.



SYSTEM GENERAL SPECIFICATIONS

- * Epoxy painted ST37 Skid
- * PVC low pressure and high pressure piping (Up to DRO 30 XL)
- * Automation with electronic card
- * Float type flowmeter
- * High quality membrane and membrane pressure vessel
- * Vansan vertical high pressure pump (Up to DRO 30 XL)

STOCK CODE	MODEL	FEED FLOW (M3/D)	PERMEATE FLOW (M3/H)	PERMEATE FLOW (M3/D)	EFF. (%)	MEMBRANE TYPE	MEMBRANE QUANTITY	PUMP POWER (KW)	PRESSURE (BAR)
MS10003XL	DRO 3 XL	103	3	72	70	8040	3	3	10,4
MS10004XL	DRO 4 XL	137	4	96	70	8040	4	4	11,2
MS10006XL	DRO 6 XL	206	6	144	70	8040	6	4	11
MS10008XL	DRO 8 XL	274	8	192	70	8040	8	4	8,8
MS10010XL	DRO 10 XL	343	10	240	70	8040	10	7,5	9,8
MS10012XL	DRO 12 XL	411	12	288	70	8040	12	7,5	9,1
MS10015XL	DRO 15 XL	480	15	360	75	8040	15	11	10
MS10018XL	DRO 18 XL	576	18	432	75	8040	18	11	10,7
MS10020XL	DRO 20 XL	640	20	480	75	8040	20	15	11,5
MS10024XL	DRO 24 XL	768	24	576	75	8040	24	15	11,7
MS10030XL	DRO 30 XL	960	30	720	75	8040	30	18,5	10,8
MS10036XL	DRO 36 XL	1152	36	864	75	8040	36	18,5	9,6
MS10042XL	DRO 42 XL	1344	42	1008	75	8040	42	22	9,8
MS10048XL	DRO 48 XL	1536	48	1152	75	8040	48	22	9,2
MS10054XL	DRO 54 XL	1728	54	1296	75	8040	54	30	10,9
MS10060XL	DRO 60 XL	1920	60	1440	75	8040	60	30	10,5
MS10066XL	DRO 66 XL	2112	66	1584	75	8040	66	30	10
MS10072XL	DRO 72 XL	2304	72	1728	75	8040	72	30	9,2

SYSTEM OPTIONAL SPECIFICATIONS

- * SS 304 Skid
- * SS 304 or SS 316 piping
- * Grundfos, Lowara or Ebara high pressure pump
- * Digital Flowmeter
- * PLC
- * Ability for remote control
- * CIP/ Rinsing Unit

SYSTEM DESIGN INFORMATION

TDS: 2000 ppm
pH: 6,5-8
BOD / KOD: None
Oil-Grease: None
Hydrocarbon: None
Iron/Residual Chlorine: <0,01 ppm
Manganese/Alluminium:<0,025 ppm
Silica: < 20 ppm



SYSTEM GENERAL SPECIFICATIONS

- * Epoxy painted ST37 Skid
- * PPRC low pressure piping
- * Flexible and SS 316 high pressure piping
- * Automation with electronic card
- * Float type flowmeter
- * High quality membrane and membrane pressure vessel
- * Sutem high pressure pump

SYSTEM OPTIONAL SPECIFICATIONS

- * SS 304 Skid
- * Duplex piping
- * Danfoss high pressure pump
- * PLC



STOCK CODE	MODEL	FEED FLOW (M3/D)	PERMEATE FLOW (M3/H)	PERMEATE FLOW (M3/D)	EFF. (%)	MEMBRANE TYPE	MEMBRANE QUANTITY	PUMP POWER (KW)	PRESSURE (BAR)
DS10042M	DSRO 42 M	30	0,25	6	20	4040	2	3	60
DS10044M	DSRO 44 M	60	0,50	12	20	4040	4	4	60
DS10046M	DSRO 46 M	72	0,75	18	25	4040	6	5,5	60
DS10048M	DSRO 48 M	96	1	24	25	4040	8	7,5	60

* Standard system designs are made considering TDS: 38000 ppm. It is recommended to provide raw water analysis prior to ordering the system, as changes in raw water criterias may alter the system design.

* Since the standard system design is made according to Sutem pump, ST 37 epoxy painted skid, electronic card automation and PPRC, flexible and SS 316 piping, different equipment choices may create price differences.



SYSTEM GENERAL SPECIFICATIONS

- * Epoxy painted ST37 Skid
- * PPRC low pressure piping
- * Flexible and SS 316 high pressure piping
- * Automation with PLC
- * Float type flowmeter
- * High quality membrane and membrane pressure vessel
- * Danfoss high pressure pump

SYSTEM OPTIONAL SPECIFICATIONS

- * SS 304 Skid
- * Digital Flowmeter
- * Automatic CIP / Rinsing Unit

STOK KODU	MODEL	BESLEME DEBİ (M3/D)	ÜRÜN DEBİ (M3/H)	ÜRÜN DEBİ (M3/D)	VERİM (%)	MEMBRAN TİPİ	MEMBRAN SAYISI	POMPA GÜCÜ (KW)	BASINÇ (BAR)
DS10002XL	DSRO 2 XL	120	5	30	30	8040	2	-	60
DS10003XL	DSRO 3 XL	150	6,25	45	30	8040	3	-	60
DS10004XL	DSRO 4 XL	170	7,08	60	35	8040	4	-	60
DS10006XL	DSRO 6 XL	265	11,04	90	35	8040	6	-	60
DS10008XL	DSRO 8 XL	300	12,50	120	40	8040	8	-	60
DS10012XL	DSRO 12 XL	435	18,25	175	40	8040	12	-	60
DS10015XL	DSRO 15 XL	500	24	200	40	8040	15	-	60
DS10018XL	DSRO 18 XL	687,5	28,65	270	45	8040	18	-	60
DS10024XL	DSRO 24 XL	800	33,33	360	45	8040	24	-	60
DS10030XL	DSRO 30 XL	1000	41,67	450	45	8040	30	-	60
DS10036XL	DSRO 36 XL	1200	50	540	45	8040	36	-	60
DS10042XL	DSRO 42 XL	1400	58,33	630	45	8040	42	-	60
DS10048XL	DSRO 48 XL	1611	67,13	725	45	8040	48	-	60
DS10054XL	DSRO 54 XL	1778	74,08	800	45	8040	54	-	60
DS10060XL	DSRO 60 XL	2000	83,33	900	45	8040	60	-	60
DS10072XL	DSRO 72 XL	2222	92,58	1000	45	8040	72	-	60

* Standard system designs are made considering TDS: 38000 ppm. It is recommended to provide raw water analysis prior to ordering the system, as changes in raw water criterias may alter the system design.