



# METERING PUMP DATA SHEET

DATE : 2010 . 01 . 14 .

PURCHASER : _____				SHEET NO. : _____ OF _____			
USER : _____				SPEC. NO. : _____			
PROJECT NO. : _____				NO. REQUIRED : _____			
PUMP DESCRIPT : _____				ITEM NO. : _____			
<b>PUMP SPECIFICATION</b>				<b>OPERATION CONDITIONS</b>			
TYPE : <u>DIAPHRAGM</u>				SERVICE LIQUID : _____			
MODEL : <u>SG-30-VTC-HWS</u>				NATURE LIQUID : _____			
DISCHARGE VOLUME : <u>0.036</u> L/min				CAPACITY : _____ L/min			
DISCHARGE PRESS. : <u>15</u> kg/cm <sup>2</sup> G				LIQUID TEMP. : _____ °C			
SUCTION HEAD : <u>- 1</u> M				SPECIFIC GRAVITY : _____			
STROKE SPEED : <u>36</u> S. P. M				VISCOSITY : _____ CP			
NPSH : <u>2</u> M				DISCHARGE PRESS. : _____ kg/cm <sup>2</sup> G			
				SUCTION PRESS. : _____ kg/cm <sup>2</sup> G			
				NPSH AVAIL. : _____ M			
<b>LIQUID END MATERIAL</b>							
PUMP HEAD : <u>P. V. C.</u>							
DIAPHRAGM : <u>PTFE + EPDM</u>							
CHECK BALL : <u>CERAMIC</u>							
BALL SEAT : <u>P. V. C.</u>							
BALL GUIDE : <u>P. V. C.</u>							
<b>MOTOR SPECIFICATION</b>							
MANUFACTURER : <u>GGM or OTHER MAKERS</u>				PHASE : <u>SINGLE PHASE</u>			
TYPE/MODEL : <u>AC INDUCTION</u>				POLES : <u>4</u>			
OUTPUT : <u>0.015</u> kW				INS. CLASS : <u>E</u>			
VOLTAGE : <u>220</u> V				SPEED : <u>1500</u> RPM			
FREQUENCY : <u>60</u> Hz				ENCLOSURE : <u>TESC</u>			
<b>CONNECTION TYPE</b>							
SUCTION : <u>HOSE ø6 × ø10</u>				DISCHARGE : <u>HOSE ø6 × ø10</u>			
PAINTING : _____							
APPROX WEIGHT : _____							
<b>ACCESSORIES</b>				<b>SPARE PART LIST</b>			
NO.	PART NAME	SPEC.	Q'TY	NO.	PART NAME	SPEC.	Q'TY
1	AIR CHAMBER			1	DIAPHRAGM		
2	RELIEF VALVE			2	CHECK BALL		
3	BACK PRESS V/V			3			
4	ANCHOR B/N			4			
5	MANUAL			5			
NOTE. FLOW CONTROL METHOD WHILE RUNNING				REVISION			
PREPARED BY	CHECKED BY	APPROVED BY	NO.	REVISED BY	CHECKED BY	APPROVED BY	



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<b>PUMP SPECIFICATION</b>				<b>OPERATION CONDITIONS</b>			
TYPE : <u>DIAPHRAGM</u>				SERVICE LIQUID : _____			
MODEL : <u>SG-60-VTC-HWS</u>				NATURE LIQUID : _____			
DISCHARGE VOLUME : <u>0.075</u> L/min				CAPACITY : _____ L/min			
DISCHARGE PRESS. : <u>15</u> kg/cm <sup>2</sup> G				LIQUID TEMP. : _____ °C			
SUCTION HEAD : <u>- 1</u> M				SPECIFIC GRAVITY : _____			
STROKE SPEED : <u>72</u> S. P. M				VISCOSITY : _____ CP			
NPSH : <u>2</u> M				DISCHARGE PRESS. : _____ kg/cm <sup>2</sup> G			
				SUCTION PRESS. : _____ kg/cm <sup>2</sup> G			
				NPSH AVAIL. : _____ M			
<b>LIQUID END MATERIAL</b>							
PUMP HEAD : <u>P. V. C.</u>							
DIAPHRAGM : <u>PTFE + EPDM</u>							
CHECK BALL : <u>CERAMIC</u>							
BALL SEAT : <u>P. V. C.</u>							
BALL GUIDE : <u>P. V. C.</u>							
<b>MOTOR SPECIFICATION</b>							
MANUFACTURER : <u>GGM or OTHER MAKERS</u>				PHASE : <u>SINGLE PHASE</u>			
TYPE/MODEL : <u>AC INDUCTION</u>				POLES : <u>4</u>			
OUTPUT : <u>0.015</u> kW				INS. CLASS : <u>E</u>			
VOLTAGE : <u>220</u> V				SPEED : <u>1500</u> RPM			
FREQUENCY : <u>60</u> Hz				ENCLOSURE : <u>TESC</u>			
<b>CONNECTION TYPE</b>							
SUCTION : <u>HOSE ø6 × ø10</u>				DISCHARGE : <u>HOSE ø6 × ø10</u>			
PAINTING : _____							
APPROX WEIGHT : _____							
<b>ACCESSORIES</b>				<b>SPARE PART LIST</b>			
NO.	PART NAME	SPEC.	Q'TY	NO.	PART NAME	SPEC.	Q'TY
1	AIR CHAMBER			1	DIAPHRAGM		
2	RELIEF VALVE			2	CHECK BALL		
3	BACK PRESS V/V			3			
4	ANCHOR B/N			4			
5	MANUAL			5			
NOTE. FLOW CONTROL METHOD WHILE RUNNING				REVISION			
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PUMP DESCRIPT : _____				ITEM NO. : _____			
<b>PUMP SPECIFICATION</b>				<b>OPERATION CONDITIONS</b>			
TYPE : <u>DIAPHRAGM</u>				SERVICE LIQUID : _____			
MODEL : <u>SG-150-VTC-HWS</u>				NATURE LIQUID : _____			
DISCHARGE VOLUME : <u>0.170</u> L/min				CAPACITY : _____ L/min			
DISCHARGE PRESS. : <u>5</u> kg <sup>f</sup> /cm <sup>2</sup> G				LIQUID TEMP. : _____ °C			
SUCTION HEAD : <u>- 1</u> M				SPECIFIC GRAVITY : _____			
STROKE SPEED : <u>36</u> S. P. M				VISCOSITY : _____ CP			
NPSH : <u>2</u> M				DISCHARGE PRESS. : _____ kg/cm <sup>2</sup> G			
				SUCTION PRESS. : _____ kg/cm <sup>2</sup> G			
				NPSH AVAIL. : _____ M			
<b>LIQUID END MATERIAL</b>							
PUMP HEAD : <u>P. V. C.</u>							
DIAPHRAGM : <u>PTFE + EPDM</u>							
CHECK BALL : <u>CERAMIC</u>							
BALL SEAT : <u>P. V. C.</u>							
BALL GUIDE : <u>P. V. C.</u>							
<b>MOTOR SPECIFICATION</b>							
MANUFACTURER : <u>GGM or OTHER MAKERS</u>				PHASE : <u>SINGLE PHASE</u>			
TYPE/MODEL : <u>AC INDUCTION</u>				POLES : <u>4</u>			
OUTPUT : <u>0.015</u> kW				INS. CLASS : <u>E</u>			
VOLTAGE : <u>220</u> V				SPEED : <u>1500</u> RPM			
FREQUENCY : <u>60</u> Hz				ENCLOSURE : <u>TESC</u>			
<b>CONNECTION TYPE</b>							
SUCTION : <u>HOSE ø6 × ø10</u>				DISCHARGE : <u>HOSE ø6 × ø10</u>			
PAINTING : _____							
APPROX WEIGHT : _____							
<b>ACCESSORIES</b>				<b>SPARE PART LIST</b>			
NO.	PART NAME	SPEC.	Q'TY	NO.	PART NAME	SPEC.	Q'TY
1	AIR CHAMBER			1	DIAPHRAGM		
2	RELIEF VALVE			2	CHECK BALL		
3	BACK PRESS V/V			3			
4	ANCHOR B/N			4			
5	MANUAL			5			
NOTE. FLOW CONTROL METHOD WHILE RUNNING				REVISION			
PREPARED BY	CHECKED BY	APPROVED BY	NO.	REVISED BY	CHECKED BY	APPROVED BY	



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USER : _____				SPEC. NO. : _____			
PROJECT NO. : _____				NO. REQUIRED : _____			
PUMP DESCRIPT : _____				ITEM NO. : _____			
<b>PUMP SPECIFICATION</b>				<b>OPERATION CONDITIONS</b>			
TYPE : <u>DIAPHRAGM</u>				SERVICE LIQUID : _____			
MODEL : <u>SG-300-VTC-HWS</u>				NATURE LIQUID : _____			
DISCHARGE VOLUME : <u>0.350</u> L/min				CAPACITY : _____ L/min			
DISCHARGE PRESS. : <u>5</u> kg <sup>f</sup> /cm <sup>2</sup> G				LIQUID TEMP. : _____ °C			
SUCTION HEAD : <u>- 1</u> M				SPECIFIC GRAVITY : _____			
STROKE SPEED : <u>72</u> S. P. M				VISCOSITY : _____ CP			
NPSH : <u>2</u> M				DISCHARGE PRESS. : _____ kg/cm <sup>2</sup> G			
				SUCTION PRESS. : _____ kg/cm <sup>2</sup> G			
				NPSH AVAIL. : _____ M			
<b>LIQUID END MATERIAL</b>							
PUMP HEAD : <u>P. V. C.</u>							
DIAPHRAGM : <u>PTFE + EPDM</u>							
CHECK BALL : <u>CERAMIC</u>							
BALL SEAT : <u>P. V. C.</u>							
BALL GUIDE : <u>P. V. C.</u>							
<b>MOTOR SPECIFICATION</b>							
MANUFACTURER : <u>GGM or OTHER MAKERS</u>				PHASE : <u>SINGLE PHASE</u>			
TYPE/MODEL : <u>AC INDUCTION</u>				POLES : <u>4</u>			
OUTPUT : <u>0.015</u> kW				INS. CLASS : <u>E</u>			
VOLTAGE : <u>220</u> V				SPEED : <u>1500</u> RPM			
FREQUENCY : <u>60</u> Hz				ENCLOSURE : <u>TESC</u>			
<b>CONNECTION TYPE</b>							
SUCTION : <u>HOSE ø6 × ø10</u>				DISCHARGE : <u>HOSE ø6 × ø10</u>			
PAINTING : _____							
APPROX WEIGHT : _____							
<b>ACCESSORIES</b>				<b>SPARE PART LIST</b>			
NO.	PART NAME	SPEC.	Q'TY	NO.	PART NAME	SPEC.	Q'TY
1	AIR CHAMBER			1	DIAPHRAGM		
2	RELIEF VALVE			2	CHECK BALL		
3	BACK PRESS V/V			3			
4	ANCHOR B/N			4			
5	MANUAL			5			
NOTE. FLOW CONTROL METHOD WHILE RUNNING				REVISION			
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USER : _____				SPEC. NO. : _____			
PROJECT NO. : _____				NO. REQUIRED : _____			
PUMP DESCRIPT : _____				ITEM NO. : _____			
<b>PUMP SPECIFICATION</b>				<b>OPERATION CONDITIONS</b>			
TYPE : <u>DIAPHRAGM</u>				SERVICE LIQUID : _____			
MODEL : <u>SG-600-VTC-HWS</u>				NATURE LIQUID : _____			
DISCHARGE VOLUME : <u>0.62</u> L/min				CAPACITY : _____ L/min			
DISCHARGE PRESS. : <u>7</u> kg <sup>f</sup> /cm <sup>2</sup> G				LIQUID TEMP. : _____ °C			
SUCTION HEAD : <u>- 1</u> M				SPECIFIC GRAVITY : _____			
STROKE SPEED : <u>72</u> S. P. M				VISCOSITY : _____ CP			
NPSH : <u>2</u> M				DISCHARGE PRESS. : _____ kg/cm <sup>2</sup> G			
				SUCTION PRESS. : _____ kg/cm <sup>2</sup> G			
				NPSH AVAIL. : _____ M			
<b>LIQUID END MATERIAL</b>							
PUMP HEAD : <u>PVC</u>							
DIAPHRAGM : <u>PTFE + EPDM</u>							
CHECK BALL : <u>CERAMIC</u>							
BALL SEAT : <u>PVC</u>							
BALL GUIDE : <u>PVC</u>							
<b>MOTOR SPECIFICATION</b>							
MANUFACTURER : <u>GGM or OTHER MAKERS</u>				PHASE : <u>SINGLE PHASE or THREE PHASE</u>			
TYPE/MODEL : <u>AC INDUCTION</u>				POLES : <u>4</u>			
OUTPUT : <u>0.025</u> kW				INS. CLASS : <u>E</u>			
VOLTAGE : <u>220</u> V				SPEED : <u>1550</u> RPM			
FREQUENCY : <u>60</u> Hz				ENCLOSURE : <u>TESC</u>			
<b>CONNECTION TYPE</b>							
SUCTION : <u>HOSE ø6 × ø10</u>				DISCHARGE : <u>HOSE ø6 × ø10</u>			
PAINTING : _____							
APPROX WEIGHT : _____							
<b>ACCESSORIES</b>				<b>SPARE PART LIST</b>			
NO.	PART NAME	SPEC.	Q'TY	NO.	PART NAME	SPEC.	Q'TY
1	AIR CHAMBER			1	DIAPHRAGM		
2	RELIEF VALVE			2	CHECK BALL		
3	BACK PRESS V/V			3			
4	ANCHOR B/N			4			
5	MANUAL			5			
NOTE. FLOW CONTROL METHOD WHILE RUNNING				REVISION			
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PUMP DESCRIPT : _____				ITEM NO. : _____			
<b>PUMP SPECIFICATION</b>				<b>OPERATION CONDITIONS</b>			
TYPE : <u>DIAPHRAGM</u>				SERVICE LIQUID : _____			
MODEL : <u>SG-1200-VTC-HWS</u>				NATURE LIQUID : _____			
DISCHARGE VOLUME : <u>1.4</u> L/min				CAPACITY : _____ L/min			
DISCHARGE PRESS. : <u>5</u> kg <sup>f</sup> /cm <sup>2</sup> G				LIQUID TEMP. : _____ °C			
SUCTION HEAD : <u>- 1</u> M				SPECIFIC GRAVITY : _____			
STROKE SPEED : <u>72</u> S. P. M				VISCOSITY : _____ CP			
NPSH : <u>2</u> M				DISCHARGE PRESS. : _____ kg/cm <sup>2</sup> G			
				SUCTION PRESS. : _____ kg/cm <sup>2</sup> G			
				NPSH AVAIL. : _____ M			
<b>LIQUID END MATERIAL</b>							
PUMP HEAD : <u>PVC</u>							
DIAPHRAGM : <u>PTFE + EPDM</u>							
CHECK BALL : <u>CERAMIC</u>							
BALL SEAT : <u>PVC</u>							
BALL GUIDE : <u>PVC</u>							
<b>MOTOR SPECIFICATION</b>							
MANUFACTURER : <u>GGM or OTHER MAKERS</u>				PHASE : <u>SINGLE PHASE or THREE PHASE</u>			
TYPE/MODEL : <u>AC INDUCTION</u>				POLES : <u>4</u>			
OUTPUT : <u>0.040</u> kW				INS. CLASS : <u>E</u>			
VOLTAGE : <u>220</u> V				SPEED : <u>1550</u> RPM			
FREQUENCY : <u>60</u> Hz				ENCLOSURE : <u>TESC</u>			
<b>CONNECTION TYPE</b>							
SUCTION : <u>HOSE ø8 × ø12</u>				DISCHARGE : <u>HOSE ø8 × ø12</u>			
PAINTING : _____							
APPROX WEIGHT : _____							
<b>ACCESSORIES</b>				<b>SPARE PART LIST</b>			
NO.	PART NAME	SPEC.	Q'TY	NO.	PART NAME	SPEC.	Q'TY
1	AIR CHAMBER			1	DIAPHRAGM		
2	RELIEF VALVE			2	CHECK BALL		
3	BACK PRESS V/V			3			
4	ANCHOR B/N			4			
5	MANUAL			5			
NOTE. FLOW CONTROL METHOD WHILE RUNNING				REVISION			
PREPARED BY	CHECKED BY	APPROVED BY	NO.	REVISED BY	CHECKED BY	APPROVED BY	



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PUMP DESCRIPT : _____				ITEM NO. : _____			
<b>PUMP SPECIFICATION</b>				<b>OPERATION CONDITIONS</b>			
TYPE : <u>DIAPHRAGM</u>				SERVICE LIQUID : _____			
MODEL : <u>SG-2000-VTC-HWS</u>				NATURE LIQUID : _____			
DISCHARGE VOLUME : <u>2.0</u> L/min				CAPACITY : _____ L/min			
DISCHARGE PRESS. : <u>5</u> kg <sup>f</sup> /cm <sup>2</sup> G				LIQUID TEMP. : _____ °C			
SUCTION HEAD : <u>- 1</u> M				SPECIFIC GRAVITY : _____			
STROKE SPEED : <u>72</u> S. P. M				VISCOSITY : _____ CP			
NPSH : <u>2</u> M				DISCHARGE PRESS. : _____ kg/cm <sup>2</sup> G			
				SUCTION PRESS. : _____ kg/cm <sup>2</sup> G			
				NPSH AVAIL. : _____ M			
<b>LIQUID END MATERIAL</b>							
PUMP HEAD : <u>PVC</u>							
DIAPHRAGM : <u>PTFE + EPDM</u>							
CHECK BALL : <u>CERAMIC</u>							
BALL SEAT : <u>PVC</u>							
BALL GUIDE : <u>PVC</u>							
<b>MOTOR SPECIFICATION</b>							
MANUFACTURER : <u>GGM or OTHER MAKERS</u>				PHASE : <u>SINGLE PHASE or THREE PHASE</u>			
TYPE/MODEL : <u>AC INDUCTION</u>				POLES : <u>4</u>			
OUTPUT : <u>0.060</u> kW				INS. CLASS : <u>E</u>			
VOLTAGE : <u>220</u> V				SPEED : <u>1550</u> RPM			
FREQUENCY : <u>60</u> Hz				ENCLOSURE : <u>TEFC</u>			
<b>CONNECTION TYPE</b>							
SUCTION : <u>HOSE ø10 × ø15</u>				DISCHARGE : <u>HOSE ø10 × ø15</u>			
PAINTING : _____							
APPROX WEIGHT : _____							
<b>ACCESSORIES</b>				<b>SPARE PART LIST</b>			
NO.	PART NAME	SPEC.	Q'TY	NO.	PART NAME	SPEC.	Q'TY
1	AIR CHAMBER			1	DIAPHRAGM		
2	RELIEF VALVE			2	CHECK BALL		
3	BACK PRESS V/V			3			
4	ANCHOR B/N			4			
5	MANUAL			5			
NOTE. FLOW CONTROL METHOD WHILE RUNNING				REVISION			
PREPARED BY	CHECKED BY	APPROVED BY	NO.	REVISED BY	CHECKED BY	APPROVED BY	