

ROTARY VANE WHEEL DRY-DIAL WATER METER

MEASURING THE VOLUME OF POTABLE WATER PASSING THROUGH THE PIPELINE



FEATURE:

- Magnet drive, magnet-proof and resistance exterior magnet interference.
- Keep the reading easy and clear in a long-term service.
- The cover can be turned discretional.
- Selected high quality materials for steady & reliable characteristic and good looking
- Brass or stainless steel body, hot water meter, magnet-proof device and remote reading transmission system for option

NOTE: technical data conform to ISO4064

MAXIMUM PERMISSIBLE ERROR:

- ❖ In the lower zone from Q1 inclusive up to but excluding Q2 is±5%.
- ❖ In the upper zone from Q2 inclusive up to and including Q4 is ±2%.

WORKING CONDITION:

- Water temperature: 0°C ≤t≤ 30°C (for cold water meter)
 0°C <t≤ 90°C (for hot water meter)
- Water pressure: ≤1MPa

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SIZE	Q3/Q1	Q4 MAX FLOW	Q3 NOMINAL FLOW	Q2 TRANSITIONAL FLOW	Q1 MIN FLOW	MIN READING	MAX READING
mm				m³/h		n	l ³
	50			0.080	0.050		
15	80	3.1	2.5	0.050	0.031	0.0001	99999
	50			0.128	0.08	0.0001	99999
20	80	5.0	4.0	0.080	0.050		
	50			0.200	0.126		
25	80	7.9	6.3	0.128	0.080	0.0001	99999
	50			0.320	0.200	0.0001	33333
32	80	12.5	10.0	0.200	0.125		
	50			0.512	0.320		
40	80	20.0	16.0	0.320	0.200	0.0001	99999
	50			3.15	0.500	0.0001	33333
50	80	31.3	25.0	2.00	0.313		

DIMENSION AND WEIGHT:

	SIZE	Q3/Q1	Q4 MAX FLOW	Q3 NOMINAL FLOW	Q2 TRANSITIONA FLOW	Q1 L MIN FLOW	MIN READING	MAX READING	•
	mm				m³/h	'	n	n³	
		50	0.1		0.080	0.050			
	15	80	3.1	2.5	0.050	0.031	0.0001	99999	
		50			0.128	0.08	0.0001	33333	
	20	80	5.0	4.0	0.080	0.050			
		50			0.200	0.126			
	25	80	7.9	6.3	0.128	0.080	0.0001	99999	
		50			0.320	0.200	0.0001	99999	
	32	80	12.5	10.0	0.200	0.125			
		50			0.512	0.320			
	40	80	20.0	16.0	0.320	0.200	-		
		ГΩ					0.0001	99999	
		50			3.15	0.500			
	50	80	31.3	25.0	3.15	0.500	_		
IMENSIC		80 ND WEI	GHT:		2.00	0.313			WFI
OIMENSIC TYPE		80	GHT:	25.0 ENGTH mm			CONNECT	TING	
TYPE LXSG-15A		80 ND WEI SIZE	GHT:	.ENGTH 94	2.00 <i>WIDTH</i>	0.313 HEIGHT 111	CONNECT THREA G³/4B	TING D	<i>K</i>
TYPE LXSG-15A LXSG-20A		80 ND WEI SIZE 15 20	GHT: 165 195	ENGTH mm 94 94	2.00 WIDTH 2/103 2/103	0.313 HEIGHT 111 111	CONNECT THREA G³/4E G1B	TING D	1 1
TYPE LXSG-15A LXSG-20A LXSG-25A		80 ND WEI SIZE 15 20 25	GHT: 165 195 225	ENGTH mm 94	2.00 WIDTH -/103 -/103 -/103 118	0.313 HEIGHT 111 111 122	CONNECT THREA G³/4E G1B G¹B/4	TING D	1 1 2
TYPE LXSG-15A LXSG-20A		80 ND WEI SIZE 15 20	GHT: 165 195	ENGTH mm 94 94	2.00 WIDTH 1/103 1/103 118 118	0.313 HEIGHT 111 111	CONNECT THREA G³/4E G1B	TING D	1 1 2 2
TYPE LXSG-15A LXSG-20A LXSG-25A LXSG-32A LXSG-40A		80 ND WEI SIZE 15 20 25 32	GHT: 165 195 225 230	ENGTH mm 94	2.00 WIDTH 1/103 1/103 118 118 1122	0.313 HEIGHT 111 111 122 122	CONNECT THREA G³/4E G1B G¹B/4I G¹B/2I G2B G2¹/2I	TING D	WEI 1 1 2 2 4 8 8
TYPE LXSG-15A LXSG-20A LXSG-25A LXSG-32A		80 ND WEI SIZE 15 20 25 32 40	GHT: 165 195 225 230 245	ENGTH mm 94 94	2.00 WIDTH 1/103 1/103 118 118 1122 125	0.313 HEIGHT 111 111 122 122 149	CONNECT THREA G³/4E G1B G¹B/4I G¹B/2I G2B	TING D 3 3 3 1-84	1 1 2 2 4

ROTARY VANE POINTER WATER METER

MEASURING THE VOLUME OF POTABLE WATER PASSING THROUGH THE PIPELINE



FEATURE:

- Installed in vertical pipeline which is suitable for household as branch meter and easy for installation.
- Selected high quality materials for steady & reliable characteristic and good looking.
- Pointer or numeric register, dry dial or liquid, iron or brass body, cold or hot water meter for option.

NOTE: technical data conform to ISO4064

MAXIMUM PERMISSIBLE ERROR:

- ❖ In the lower zone from Q1 inclusive up to but excluding Q2 is±5%.
- ❖ In the upper zone from Q2 inclusive up to and including Q4 is ±2%.

WORKING CONDITION:

- Water temperature: 0°C ≤t≤ 30°C (for cold water meter)
 0°C <t≤ 90°C (for hot water meter)
- Water pressure: ≤1MPa

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SIZE mm	Q3/Q1	Q4 MAX FLOW	Q3 NOMINAL FLOW	Q2 TRANSITIONAL FLOW	Q1 MIN FLOW	MIN READING	MAX READING
			r	n³/h		n	1 ³
15	80	3.1	2.5	0.050	0.031	0.0001	99999
	160			0.025	0.016		
20	80	5.0	4.0	0.080	0.050	0.0001	99999
	160			0.040	0.025		
25	80	7.9	6.3	0.126	0.079	0.0001	99999
	160			0.063	0.039		

DIMENSION AND WEIGHT:

SIZE mm	Q3/Q1	Q4 MAX FLOW	Q3 NOMINAL FLOW	Q2 TRANSITI FLOV	IONAL	Q1 MIN FLOV	MIN READING	MA READ
				m³/h	<u>- </u>			m³
15	80	3.1	2.5	0.05	0	0.031	0.0001	9999
	160			0.02	5	0.016		
20	80	5.0	4.0	0.08	0	0.050	0.0001	9999
	160			0.04		0.025		
25	80	7.9	6.3	0.12		0.079	0.0001	9999
	160			0.06	3	0.039		
			mm				THREAD	Ko
TYPE	SIZE	LENGTH	WIDTH	HEIGHT	H1 H	IIGH I	CONNECTING	WEIG
			mm					Кд
LXSL-15C			mm					Кд
LXSL-15E							THREAD	
LXSL-15E LXSLY-15E	15	135	mm 94/103	120		50	THREAD G-3B	1.6
LXSL-15E LXSLY-15E LXSLG-15A	15	135	94/103				THREAD	1.6
LXSL-15E LXSLY-15E LXSLG-15A LXSLG-15B	15	135		120			THREAD G-3B	1.6
LXSL-15E LXSLY-15E LXSLG-15A LXSLG-15B LXSL-20C	15	135	94/103				THREAD G-3B	1.6
LXSL-15E LXSLY-15E LXSLG-15A LXSLG-15B LXSL-20C LXSL-20E			94/103	125	1!	50	G ³ B 4	1.6
LXSL-15E LXSLY-15E LXSLG-15A LXSLG-15B LXSL-20C	15		94/103		1!		THREAD G-3B	
LXSL-15E LXSLY-15E LXSLG-15A LXSLG-15B LXSL-20C LXSL-20E LXSL-20E			94/103	125	1!	50	G ³ B 4	1.6
LXSL-15E LXSLY-15E LXSLG-15A LXSLG-15B LXSL-20C LXSL-20E LXSLY-20E LXSLY-20E			94/103 90 94/103	125	1!	50	G ³ B 4	1.6
LXSL-15E LXSLY-15E LXSLG-15A LXSLG-15B LXSL-20C LXSL-20E LXSLY-20E LXSLY-20E LXSLG-20A LXSLG-20B LXSL-25C LXSL-25E	20	135	94/103 90 94/103 90	125 120 125	1:	50	G ³ B 4	1.6
LXSL-15E LXSLY-15E LXSLG-15A LXSLG-15B LXSL-20C LXSL-20E LXSLY-20E LXSLG-20A LXSLG-20B LXSLG-25C LXSL-25C LXSL-25E LXSL-25E			94/103 90 94/103	125	1:	50	G ³ B 4	1.6
LXSL-15E LXSLY-15E LXSLG-15A LXSLG-15B LXSL-20C LXSL-20E LXSLY-20E LXSLY-20E LXSLG-20A LXSLG-20B LXSL-25C LXSL-25E	20	135	94/103 90 94/103 90	125 120 125	1:	50	G ³ B 4	1.6

WOLTMAN DETACHABLE WATER METER

MEASURING THE VOLUME OF POTABLE WATER PASSING THROUGH THE PIPELINE



FEATURE:

- Vacuum sealed register ensures a clear presentation in a long-term service.
- Selected high quality materials for steady & reliable characteristic.
- Without removing the meter from the pipeline for maintenance and replacement.

NOTE: technical data conform to ISO4064

MAXIMUM PERMISSIBLE ERROR:

- In the lower zone from Q1 inclusive up to but excluding Q2 is±5%.
- ❖ In the upper zone from Q2 inclusive up to and including Q4 is ±2%.

WORKING CONDITION:

- Water temperature: 0°C ≤t≤ 30°C (for cold water meter)
 0°C <t≤ 90°C (for hot water meter)
- Water pressure: ≤1MPa

WATER METER

MAIN TECHNICAL DATA:

	SIZE	CLASS	Q4 MAX FLOW	Q3 NOMINAL FLOW	Q2 TRANSITIONA FLOW	Q1 MIN FLOW	MIN READING	RE
	mm				m³/h		ı	n³
LXLG/R-50E	50	20	50	40	8	2	_	
LXLG/R-65E	65	50 20	50	40	5 8	0.8		
LXLG/K-03E	05	50	50	40	5	0.8		
LXLG/R-80E	80	20	79	63	12.6	3.2	0.01	999
,		50			7.9	1.3		
LXLG/R-100E	100	20	125	100	20	5		
		50			12.6	2		
LXLG/R-125E	125	20	125	100	20	5		
		50			12.6	2		
LXLG/R-150E	150	20	313	250	50	12.5		
LXLG/R-200E	200	50 20	500	400	31.5 80	5 20	0.1	999
LALG/R-200E	200	50	300	400	31.5	5	- 0.1	333
	250	20	787	630	126	50		
LXI G-250F				000				
LXLG-250E	250	50			79	20		
LXLG-250E LXLG-300E	300		1250	1000	79 200	20 50	1	999
LXLG-300E	300	50 20 50	1250	1000			1	999
	300	50 20 50	1250 HEIGI	нт	200	50 20	1	
LXLG-300E DIMENSIO	300 ON AND	50 20 50 WEIGHT:	1250 HEIGH	HT G	200 126	50 20		999 W
LXLG-300E	300 ON AND	50 20 50 WEIGHT:	1250 HEIGH	HT G	200 126	50 20	CONNECTING BOLT (PCS)	W
LXLG-300E DIMENSIO	300 ON AND	50 20 50 WEIGHT:	1250 HEIGH	HT G	200 126	50 20 IG THREAD DLT CIRCLE	CONNECTING	W
DIMENSIO	300 ON AND	50 20 50 WEIGHT:	1250 HEIGI H	HT G OU	200 126 CONNECTIN	50 20 IG THREAD OLT CIRCLE DIA	CONNECTING BOLT (PCS)	И
TYPE LXLG-50E LXLG-65E LXLG-80E	300 SIZE 50 65 80	50 20 50 WEIGHT: LENGTH 200 225	1250 HEIGH 1 210 218 230	281 291 301	200 126 **CONNECTION BC** TER DIA BC** 165 185 200	16 THREAD OLT CIRCLE DIA 125 145 160	CONNECTING BOLT (PCS)	И
TYPE LXLG-50E LXLG-65E LXLG-80E LXLG-100E	300 SIZE 50 65 80 100	50 20 50 WEIGHT: LENGTH 200 225 250	1250 HEIGH H 210 218 230 240	281 291 301 220	200 126 **TER DIA BC** 165 185 200 220	16 THREAD PLT CIRCLE DIA 125 145 160 180	CONNECTING BOLT (PCS) 4xM16 8xM16	И
TYPE LXLG-50E LXLG-65E LXLG-80E LXLG-100E LXLG-125E	300 SIZE 50 65 80 100 150	50 20 50 WEIGHT: LENGTH 200 225 250 300	1250 HEIGH 1 210 218 230 240 312	281 291 301 220 383	200 126 	16 THREAD DLT CIRCLE DIA 125 145 160 180 240	CONNECTING BOLT (PCS) 4xM16	И
TYPE LXLG-50E LXLG-65E LXLG-80E LXLG-100E LXLG-125E LXLG-200E	300 SIZE 50 65 80 100 150 200	200 ENGTH 200 200 225 250 300 350	1250 HEIGH H 210 218 230 240 312 349	281 291 301 220 383 335	200 126 CONNECTIN TER DIA BC 165 185 200 220 285 335	16 THREAD DIT CIRCLE DIA 125 145 160 180 240 295	CONNECTING BOLT (PCS) 4xM16 8xM16 8xM20	И
TYPE LXLG-50E LXLG-65E LXLG-80E LXLG-100E LXLG-125E	300 SIZE 50 65 80 100 150	50 20 50 WEIGHT: LENGTH 200 225 250 300	1250 HEIGH 1 210 218 230 240 312	281 291 301 220 383	200 126 	16 THREAD DLT CIRCLE DIA 125 145 160 180 240	CONNECTING BOLT (PCS) 4xM16 8xM16	И

DIMENSION AND WEIGHT:

	SIZE	LENGTH	HEIG	GHT				WEIGHT
			Н	G	CONN	ECTING THREAD		
TYPE		mm			OUTER DIA	BOLT CIRCLE	CONNECTING	Kg
						DIA	BOLT (PCS)	
LXLG-50E	50	200	210	281	165	125	4xM16	12
LXLG-65E	65		218	291	185	145		12.3
LXLG-80E	80	225	230	301	200	160	8xM16	14
LXLG-100E	100	250	240	220	220	180		16.5
LXLG-125E	150	300	312	383	285	240	8xM20	28
LXLG-200E	200	350	349	335	335	295		38
LXLG-250E	250	450	493	730	395	350	12xM20	94
LXLG-300E	300	500	515	730	445	400		114

ROTARY VANE WHEEL PLASTIC BODY WATER METER

MEASURING THE VOLUME OF POTABLE WATER PASSING THROUGH THE PIPELINE



FEATURE:

- The body of water meter made of high-strength engineering plastic injection, never causing secondary pollution to water quality, and never containing any heavy metals, which is safety and health.
- The materials can be recycled, never causing any pollution to environment, is of environment protection and high quality products.
- ❖ With strong anti-corrosion, high-strength, stable performance and long service life.
- We have wet type, liquid seal type, and dry-type on water meter to choose.

MAXIMUM PERMISSIBLE ERROR:

- ❖ In the lower zone from Q1 inclusive up to but excluding Q2 is±5%.
- ❖ In the upper zone from Q2 inclusive up to and including Q4 is ±2%.

WORKING CONDITION:

- Water temperature: 0°C ≤t≤ 30°C
- Water pressure: ≤1MPa

SIZE mm	Q3/Q1	Q4 MAX FLOW	Q3 NOMINAL FLOW	Q2 TRANSITIONAL FLOW	Q1 MIN FLOW	MIN READING	MAX READING
			ı	m³			
15	80	3.1	2.5	0.050	0.031		
	100			0.040	0.025		
20	80	5.0	4.0	0.050	0.050	0.0001	99999
	100			0.040	0.040		

DIMENSION AND WEIGHT:

m³/h 15 80 3.1 2.5 0.050 0.031 100 0.040 0.025 20 80 5.0 4.0 0.050 0.050 100 0.040 0.040	0.0001			TRANSITION FLOW	Q3 NOMINAL FLOW	Q4 MAX FLOW	Q3/Q1	SIZE mm
100 0.040 0.025 20 80 5.0 4.0 0.050 0.050 100 0.040 0.040	0.0001			1				
20 80 5.0 4.0 0.050 0.050 0.040 DIMENSION AND WEIGHT:	0.0001	0.025			2.5	3.1		15
DIMENSION AND WEIGHT:	0.0001							
DIMENSION AND WEIGHT:					4.0	5.0		20
SIZE LENGTH WIDTH PEGIN D'CONVECTING	WEIG	CONNECTING	IT DC	HEIGHT	WIDTH			DIMENSION
TYPE THREAD	Kg			HLIGHT	VVIDIN	LLINGTH	SIZL	TYPE
mm	_				mm	<u></u>		
LXS-15S					4			
LXSG-15S 15 165 94/103 111 G¾B	1.0	G%B		111	94/103	165	15	
	1.2	G1B						
				111	94/103	195	20	
LXSY-15S	1	G1B						

ROTARY VANE WHEEL DRY-DIAL SINGLE-JET

WATER METER

MEASURING THE VOLUME OF POTABLE WATER PASSING THROUGH THE PIPELINE



FEATURE:

- Vacuum sealed register ensures the dial kept from fog and keeps reading clear in a long-term service.
- The counter can be turned discretionally and easy for copy the reading.
- Wide measuring range and small start-up flow rate.
- Selected high quality materials for steady & reliable characteristic and good looking.
- Small in size and light in weight.
- Brass or stainless steel body, hot water meter, magnetic-proof device and remote reading transmission system for option.

NOTE: technical data conform to ISO4064

MAXIMUM PERMISSIBLE ERROR:

- ❖ In the lower zone from Q1 inclusive up to but excluding Q2 is±5%.
- In the upper zone from Q2 inclusive up to and including Q4 is ±2%.

WORKING CONDITION:

- Water temperature: 0°C ≤t≤ 30°C
- Water pressure: ≤1MPa

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mm Q3/Q1 FLOW FLOW FLOW FLOW FLOW m³ /m² m³ 13 50 3.1 2.5 0.080 0.050 0.031 0.001 <td< th=""></td<>
13
20
SO T.9 6.3 0.080 0.050 0.126
SO T.9 6.3 0.080 0.050 0.126
25 50 7.9 6.3 0.202 0.126
No.126 O.079 O.126 O.079 O.079 O.000 O.0
DIMENSION AND WEIGHT: TYPE SIZE LENGTH WIDTH HEIGHT D CONNECTING WEIGHT THREAD Kg LXSC-13D 13 110 73 83 G%B 0.7 LXSC-13D2 13 110 73 88 G%B 0.76
LXSC-13D ₂ 13 110 73 88 G¾B 0.76
LXSC-13D 13 110 73 83 G¾B 0.7 LXSC-13D2 13 110 73 88 G¾B 0.76
LXSC-20D 20 130 73 83 G1B 0.8
LXSC-20D ₂ 20 130 73 88 G1B 0.9
LXSC-25D ₂ 25 160 73 92 G1¼B 1.47

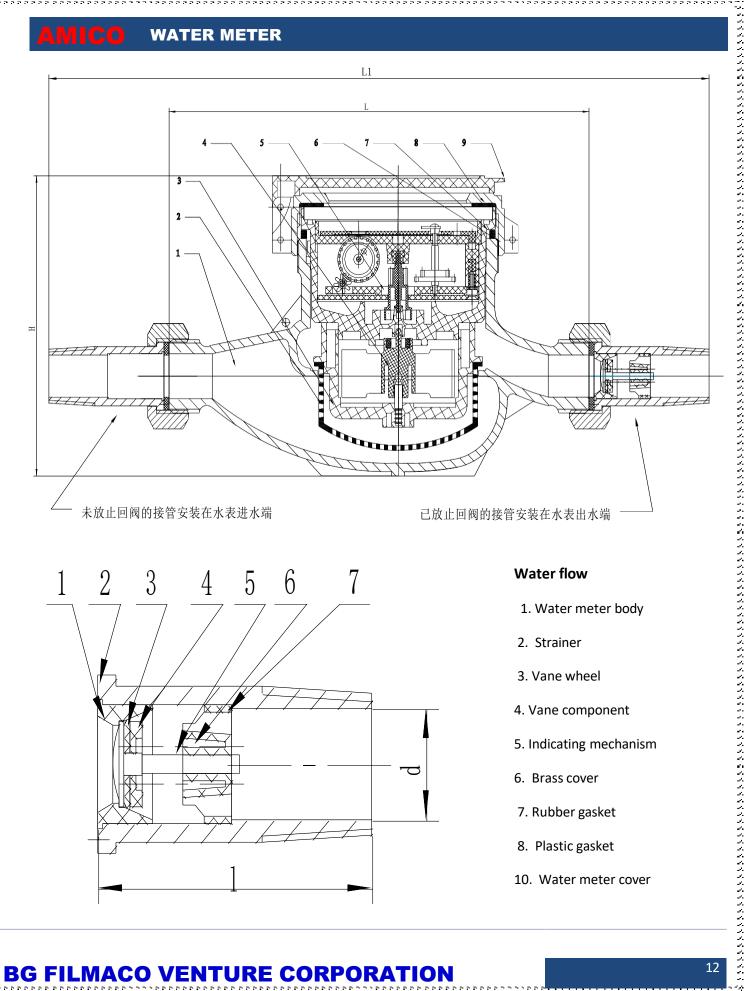
DIMENSION AND WEIGHT:

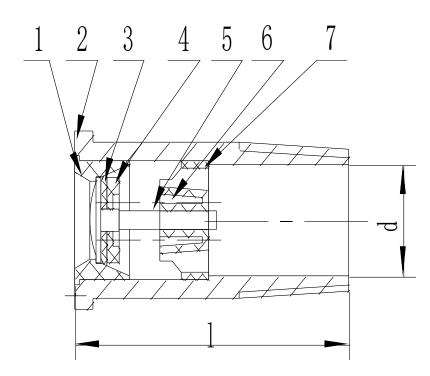
TYPE	SIZE	LENGTH	WIDTH	HEIGHT	D CONNECTING	WEIGHT
		m	m		THREAD	Kg
LXSC-13D	13	110	73	83	G¾B	0.7
LXSC-13D ₂	13	110	73	88	G¾B	0.76
LXSC-20D	20	130	73	83	G1B	0.8
LXSC-20D₂	20	130	73	88	G1B	0.9
LXSC-25D₂	25	160	73	92	G1¼B	1.47

Water meter with check valve information

Size(mm)	15mm	20 mm	Note
Total length	L=165 L1=258 H=103	L=195 L1=299 H=106	Drawing 1
working principle	When the water in the normal flow, the force in the top of the valve stem round surface, moves the valve stem, valve plates, sealing piece moves to the right place, the spring is compressed, water flowed from valve core seam, when the water power became small, automatic spring under the effect of its elastic rebound; When water flow backward, the force on the top of the stem under the plane, moves the valve stem, valve plate and seal plate to left place, the water flow to the middle of check valve, which blocked by seal plate, cannot return water. L=45 d=15	L=50 d=21	Drawing 2 Drawing 3
working principle	- 10 % - 20	- 50 %	
Why located at the out flow.	Check valve is installed in the outlet, the wa meter will be blocked at the outlet, which meter (that is, will not affect the normal reverse flow back flow	do not through the water measuring) to prevent	

WATER METER





Water flow

- 1. Water meter body
- 2. Strainer
- 3. Vane wheel
- 4. Vane component
- 5. Indicating mechanism
- 6. Brass cover
- 7. Rubber gasket
- 8. Plastic gasket
- 10. Water meter cover

Water flow

1. Valve body 2. Connection pipe 3. Seal plate 4. Plat valve 5. Stream valve 6. Spring 7. Core valve

When the water in the normal flow, the force in the top of the valve stem round surface, moves the valve stem, valve plates, sealing piece moves to the right place, the spring is compressed, water flowed from valve core seam, when the water power became small, automatic spring under the effect of its elastic rebound; When water flow backward, the force on the top of the stem under the plane, moves the valve stem, valve plate and seal plate to left place, the water flow to the middle of check valve, which blocked by seal plate, cannot return water.

