

GENERAL FEATURES

Ayvaz KP2W-3R works according to the capacitance measuring principle. It is used to indicate different levels in conductive and non-conductive liquids. The KP2W-3R is an electrode body integrated and contains a level transmitter that generates a standard analog signal of 4-20 mA. 4-20 mA analog output can be followed from the display on the panel cover.

The capacitance measuring principle is used to indicate the level. The electrode rod and the vessel wall form a capacitor. Basically it is based on the fact that the value of a capacitance is affected by the dielectric value of the material between the plates, the areas of the plates and the distance between them.

Since the area of the electrode and the tank wall is constant, the only variable is the material inside the tank acting as the dielectric. If the level of this dielectric material changes, the current through the plates also changes in proportion to the level. A dielectric is defined as an insulating material that excludes many liquids, such as water.

While the dielectric constant of air and vacuum is 1, it is bigger than 1 for other substances. In that case, the capacity also changes with the change in the amount of substance in the tank. To obtain a useful measurement result, the dipstick immersed in the liquid at varying depths must be completely insulated. After setting the measuring degree, the level can be read from a display unit.

Applications

Steam boilers, liquid tanks, fuel tanks, concentrate tanks, marine applications, glycol tanks, food machinery, cooling liquid tanks, ships, brine tanks, wine tanks, clean water tanks, oil tanks, CO₂ liquid tanks, high temperature tanks, low conductivity liquids, hot sticky and high viscosity acid and chemical liquids etc.

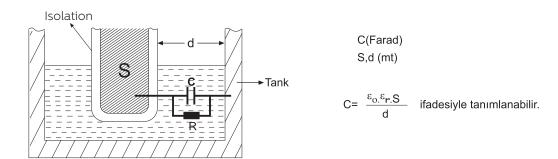
Advantages

- · Easy to calibrate & install.
- Calibration possibility for lower and upper point.
- · High accuracy.
- Operates at high temperature and high pressure.
- •50-4000pF measuring range

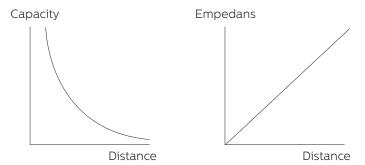
TECHNICAL F	PARAMETERS	
Max Working Temp	238 °C	
Max Working Pressure	32 bar	
Main Supply	220V AC 50/60 Hz	
Body	Stainless Steel 1,4571 (CrNiMoTi 17 12 2)	
Flange	Steel Casting 1,0460 (C 22,8)	
Electrical Cardboard Body	Alluminum Injection 3,2161 (G AlSi8Cu3)	
Electrodes	Stainless Steel 1,4571 (CrNiMoTi 17 12 2)	
Connection	3/4" BPS / DN32 - DN50 PN40	
Power	5VA - 220VAC	
Accuracy	Su ≥ 20 µS/cm	
Output	4-20 mA Max Load 500 Ω 3 Relay Contact Output	
Relay Contact Specs.	SPDT, 10A 120VAC / 24VDC 10A / 6A 250VAC	
IP Class	IP 62	

Working Principle:

Electrical capacitance definition, assuming two parallel conductive plates are used;



In practice, there is hardly any sensor type for which this expression can be used. It is no longer possible to rely on the correctness of the above formula, especially since the gap (d) is large – this is the case in general – due to the increase in leakage fields. Therefore, measuring impedance rather than capacitance gives much more accurate results, especially in distance measurements.



The impedance expression is given as $Z = R + jL\omega + (jC\omega)^{-1}$. R is defined as the real component and represents the conductivity of the medium. The second component jLw is defined as inductive reactance. This component is present even if we are measuring capacitively. However, we assume that it does not exist. In this way, there will be no errors since we evaluate the result based on the electrostatic properties of the environment. As a result, our impedance expression will be $Z = R + (jC\omega)^{-1}$.

The measurement of the capacitive sensors we produce is made by the load transfer method. The total impedance is given by the expression Z = V / I.

I = Q / t

Q (Coulomb)

t (sec)

If the capacitive reactance we want to measure is; (jC ω) is -1. That is, the load and the impedance are in phase. In summary, the load transferred to the medium is directly proportional to the capacitive reactance.

a: Center electrode radius

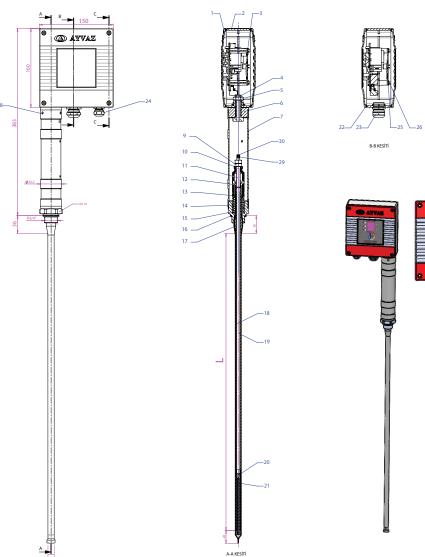
b: Radius of outer screen

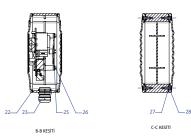
L: Length

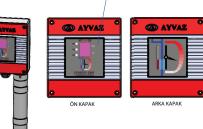
 $\frac{2.\pi.\epsilon_{o}.\epsilon_{r}}{\ln{(b/a)}}$.L Impedance calculation is made with the expression.

Depending on the length, stimulation is applied in the range of 10 KHz to 250 KHz in all our models in production. (ω = 2 x p x f) conductivity component (R) effect causing linearity error is prevented by electronic circuit design and mechanical design. Less than 1 ppm and zero has been reduced to an acceptable value.

TREADED TECHNICAL DRAWING



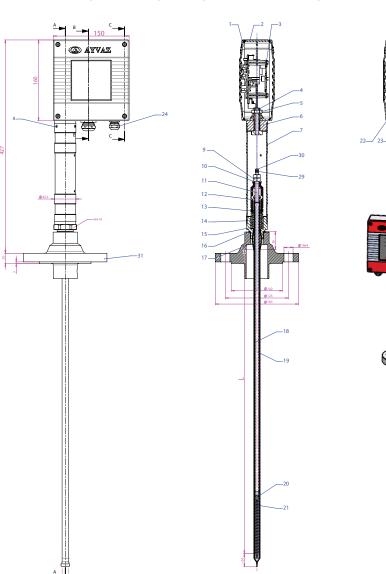


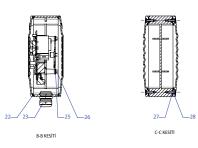


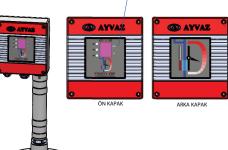
L (mm)
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
2000
4000

2 Panel Body Aluminu 3 Control Panel Curcuit Pertina 4 Bolt 8.8 5 A.K.B Nut 6 Isolation Pipe Cover 7 Isolation Pipe Aluminu 8 Pim 9 A.K.B Nut 10 Pim 11 Fixing Bolt AISI 31 12 Fixing Point PEEK 13 Spring Seat AISI 30 14 Spring AISI 30 15 Electrode Body AISI 316 16 Bolt AISI 31 17 Fixing Point AISI 31 18 Cover PFA 19 Electrode AISI 316 20 Cover Teflor 21 Wire Welding N		1 arc	Material
3 Control Panel Curcuit 4 Bolt 5 A.K.B Nut 6 Isolation Pipe Cover 7 Isolation Pipe 8 Pim 9 A.K.B Nut 10 Pim 11 Fixing Bolt AISI 31 12 Fixing Point PEEK 13 Spring Seat AISI 30 14 Spring AISI 31 15 Electrode Body AISI 31 16 Bolt AISI 31 17 Fixing Point AISI 31 18 Cover PFA 19 Electrode AISI 31 20 Cover Teflor 21 Wire Welding N 22 Gasket Silicon 23 Record 24 Record 25 Pim 26 Bolt 27 Gasket 28 Bolt 29 A.K.B Nut	1	Cover	Aluminum
4 Bolt 8.8 5 A.K.B Nut 6 Isolation Pipe Cover 7 Isolation Pipe Aluminu 8 Pim 9 A.K.B Nut 10 Pim 11 Fixing Bolt AISI 31 12 Fixing Point PEEK 13 Spring Seat AISI 30 14 Spring AISI 30 15 Electrode Body AISI 316 16 Bolt AISI 31 17 Fixing Point AISI 31 18 Cover PFA 19 Electrode AISI 316 20 Cover Teflor 21 Wire Welding Nover Welding Nover AISI 316 22 Gasket Silicon 23 Record 24 Record 25 Pim 26 Bolt 27 Gasket 28 Bolt 29 A.K.B Nut	2	Panel Body	Aluminum
5 A.K.B Nut 6 Isolation Pipe Cover 7 Isolation Pipe Aluminu 8 Pim 9 A.K.B Nut 10 Pim 11 Fixing Bolt AISI 31 12 Fixing Point PEEK 13 Spring Seat AISI 30 14 Spring AISI 30 15 Electrode Body AISI 316 16 Bolt AISI 31 17 Fixing Point AISI 31 18 Cover PFA 19 Electrode AISI 316 20 Cover Teflor 21 Wire Welding No 22 Gasket Silicon 23 Record 24 Record 25 Pim 26 Bolt 27 Gasket 28 Bolt 29 A.K.B Nut	3	Control Panel Curcuit	Pertinax
6 Isolation Pipe Cover 7 Isolation Pipe Aluminu 8 Pim 9 A.K.B Nut 10 Pim 11 Fixing Bolt AISI 31 12 Fixing Point PEEK 13 Spring Seat AISI 30 14 Spring AISI 30 15 Electrode Body AISI 316 16 Bolt AISI 30 17 Fixing Point AISI 31 18 Cover PFA 19 Electrode AISI 316 20 Cover Teflor 21 Wire Welding N 22 Gasket Silicon 23 Record 24 Record 25 Pim 26 Bolt 27 Gasket 28 Bolt 29 A.K.B Nut	4	Bolt	8.8
7 Isolation Pipe Aluminum 8 Pim 9 A.K.B Nut 10 Pim 11 Fixing Bolt AISI 31 12 Fixing Point PEEK 13 Spring Seat AISI 30 14 Spring AISI 30 15 Electrode Body AISI 316 16 Bolt AISI 31 17 Fixing Point AISI 31 18 Cover PFA 19 Electrode AISI 316 20 Cover Teflor 21 Wire Welding V 22 Gasket Silicon 23 Record Silicon 24 Record Solt 25 Pim Solt 26 Bolt Solt 27 Gasket Solt 29 A.K.B Nut	5	A.K.B Nut	
8 Pim 9 A.K.B Nut 10 Pim 11 Fixing Bolt AISI 31 12 Fixing Point PEEK 13 Spring Seat AISI 30 14 Spring AISI 30 15 Electrode Body AISI 316 16 Bolt AISI 316 17 Fixing Point AISI 31 18 Cover PFA 19 Electrode AISI 316 20 Cover Teflor 21 Wire Welding V 22 Gasket Silicon 23 Record 24 Record 25 Pim 26 Bolt 27 Gasket 28 Bolt 29 A.K.B Nut	6	Isolation Pipe Cover	
9 A.K.B Nut 10 Pim 11 Fixing Bolt AISI 31 12 Fixing Point PEEK 13 Spring Seat AISI 30 14 Spring AISI 30 15 Electrode Body AISI 316 16 Bolt AISI 31 17 Fixing Point AISI 31 18 Cover PFA 19 Electrode AISI 316 20 Cover Teflor 21 Wire Welding Notes AISI 316 22 Gasket Silicon 23 Record 24 Record 25 Pim 26 Bolt 27 Gasket 28 Bolt 29 A.K.B Nut	7	Isolation Pipe	Aluminum
10 Pim 11 Fixing Bolt AISI 31 12 Fixing Point PEEK 13 Spring Seat AISI 30 14 Spring AISI 30 15 Electrode Body AISI 316 16 Bolt AISI 31 17 Fixing Point AISI 31 18 Cover PFA 19 Electrode AISI 316 20 Cover Teflor 21 Wire Welding V 22 Gasket Silicon 23 Record 24 Record 25 Pim 26 Bolt 27 Gasket 28 Bolt 29 A.K.B Nut	8	Pim	
11 Fixing Bolt AISI 31 12 Fixing Point PEEK 13 Spring Seat AISI 30 14 Spring AISI 30 15 Electrode Body AISI 316 16 Bolt AISI 31 17 Fixing Point AISI 31 18 Cover PFA 19 Electrode AISI 316 20 Cover Teflor 21 Wire Welding N 22 Gasket Silicon 23 Record Silicon 24 Record Pim 26 Bolt Gasket 27 Gasket Solt 28 Bolt A.K.B Nut	9	A.K.B Nut	
12 Fixing Point PEEK 13 Spring Seat AISI 30 14 Spring AISI 30 15 Electrode Body AISI 316 16 Bolt AISI 316 17 Fixing Point AISI 31 18 Cover PFA 19 Electrode AISI 316 20 Cover Teflor 21 Wire Welding V 22 Gasket Silicon 23 Record Silicon 24 Record Silicon 25 Pim Solt 26 Bolt Solt 28 Bolt A.K.B Nut	10	Pim	
13 Spring Seat AISI 30 14 Spring AISI 30 15 Electrode Body AISI 316 16 Bolt AISI 316 17 Fixing Point AISI 31 18 Cover PFA 19 Electrode AISI 316 20 Cover Teflor 21 Wire Welding V 22 Gasket Silicon 23 Record 24 Record 25 Pim 26 Bolt 27 Gasket 28 Bolt 29 A.K.B Nut	11	Fixing Bolt	AISI 316
14 Spring AISI 30 15 Electrode Body AISI 316 16 Bolt AISI 31 17 Fixing Point AISI 31 18 Cover PFA 19 Electrode AISI 316 20 Cover Teflor 21 Wire Welding V 22 Gasket Silicon 23 Record 24 Record 25 Pim 26 Bolt 27 Gasket 28 Bolt 29 A.K.B Nut	12	Fixing Point	PEEK
15 Electrode Body AISI 316 16 Bolt AISI 30 17 Fixing Point AISI 31 18 Cover PFA 19 Electrode AISI 316 20 Cover Teflor 21 Wire Welding V 22 Gasket Silicon 23 Record 24 Record 25 Pim 26 Bolt 27 Gasket 28 Bolt 29 A.K.B Nut	13	Spring Seat	AISI 304
16 Bolt AISI 30 17 Fixing Point AISI 31 18 Cover PFA 19 Electrode AISI 316 20 Cover Teflor 21 Wire Welding N 22 Gasket Silicon 23 Record 24 Record 25 Pim 26 Bolt 27 Gasket 28 Bolt 29 A.K.B Nut	14	Spring	AISI 302
17 Fixing Point AISI 31 18 Cover PFA 19 Electrode AISI 316 20 Cover Teflor 21 Wire Welding V 22 Gasket Silicon 23 Record 24 Record 25 Pim 26 Bolt 27 Gasket 28 Bolt 29 A.K.B Nut	15	Electrode Body	AISI 316 Ti
18 Cover PFA 19 Electrode AISI 316 20 Cover Teflor 21 Wire Welding N 22 Gasket Silicon 23 Record 24 Record 25 Pim 26 Bolt 27 Gasket 28 Bolt 29 A.K.B Nut	16	Bolt	AISI 304
19 Electrode AISI 316 20 Cover Teflor 21 Wire Welding N 22 Gasket Silicon 23 Record 24 Record 25 Pim 26 Bolt 27 Gasket 28 Bolt 29 A.K.B Nut	17	Fixing Point	AISI 316
20 Cover Teflor 21 Wire Welding V 22 Gasket Silicon 23 Record 24 Record 25 Pim 26 Bolt 27 Gasket 28 Bolt 29 A.K.B Nut	18	Cover	PFA
21 Wire Welding V 22 Gasket Silicon 23 Record 24 Record 25 Pim 26 Bolt 27 Gasket 28 Bolt 29 A.K.B Nut	19	Electrode	AISI 316 Ti
22 Gasket Silicon 23 Record 24 Record 25 Pim 26 Bolt 27 Gasket 28 Bolt 29 A.K.B Nut	20	Cover	Teflon
23 Record 24 Record 25 Pim 26 Bolt 27 Gasket 28 Bolt 29 A.K.B Nut	21	Wire	Welding Wire
24 Record 25 Pim 26 Bolt 27 Gasket 28 Bolt 29 A.K.B Nut	22	Gasket	Silicone
25 Pim 26 Bolt 27 Gasket 28 Bolt 29 A.K.B Nut	23	Record	
26 Bolt 27 Gasket 28 Bolt 29 A.K.B Nut	24	Record	
27 Gasket 28 Bolt 29 A.K.B Nut	25	Pim	
28 Bolt 29 A.K.B Nut	26	Bolt	
29 A.K.B Nut	27	Gasket	
	28	Bolt	
30 Bolt	29	A.K.B Nut	
	30	Bolt	
31 Label	31	Label	

FLANGED TECHNICAL DRAWING

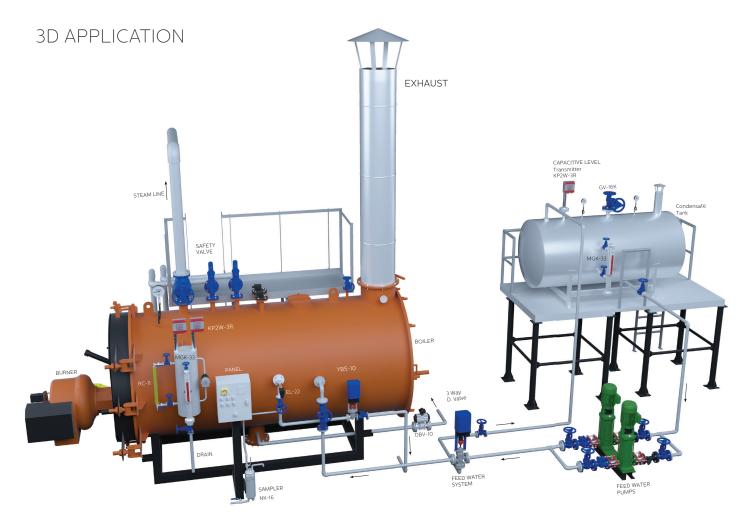




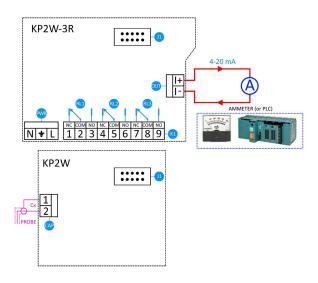


L (mm)
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
2000
4000

3 Control Panel Curcuit Bolt 8.8 5 A.K.B Nut 6 Isolation Pipe Cover Kestamic 7 Isolation Pipe Aluminum 8 Pim Bol 9 A.K.B Nut 10 Pim 11 Bolt AISI 316 12 Fixing Point PEEK 13 Spring Seat AISI 304 14 Spring AISI 302 15 Electrode AISI 316 T 16 Bolt AISI 316 T 16 Bolt AISI 316 T 17 Fixing Point AISI 316 T 18 Pfa Cover PFA 19 Electrode AISI 316 T 20 Wire Cover Teflon 21 Wire Welding Wire 22 Gasket Silicone 23 Record 24 Record 25 Pim 26 Bolt 27 Gasket 28 Bolt 29 A.K.B Nut 30 Bolt 31 Flange	1	Cover	Aluminum
4 Bolt 8.8 5 A.K.B Nut 6 Isolation Pipe Cover Kestamic 7 Isolation Pipe Aluminum 8 Pim Bol 9 A.K.B Nut 10 Pim 11 Bolt AISI 316 12 Fixing Point PEEK 13 Spring Seat AISI 304 14 Spring AISI 302 15 Electrode AISI 316 T 16 Bolt AISI 304 17 Fixing Point AISI 316 18 Pfa Cover PFA 19 Electrode AISI 316 T 20 Wire Cover Teflon 21 Wire Welding Wire 22 Gasket Silicone 23 Record 24 Record 25 Pim 26 Bolt 27 Gasket 28 Bolt 29 A.K.B Nut 30 Bolt 31 Flange	2	Panel Body	Aluminum
5 A.K.B Nut 6 Isolation Pipe Cover Kestamic 7 Isolation Pipe Aluminum 8 Pim Bol 9 A.K.B Nut 10 Pim 11 Bolt AISI 316 12 Fixing Point PEEK 13 Spring Seat AISI 304 14 Spring AISI 302 15 Electrode AISI 316 T 16 Bolt AISI 316 T 18 Pfa Cover PFA 19 Electrode AISI 316 T 20 Wire Cover Teflon 21 Wire Welding Wire 22 Gasket Silicone 23 Record 24 Record 25 Pim 26 Bolt 27 Gasket 28 Bolt 29 A.K.B Nut 30 Bolt 31 Flange	3	Control Panel Curcuit	Pertinaks
6 Isolation Pipe Cover 7 Isolation Pipe Aluminum 8 Pim Bol 9 A.K.B Nut 10 Pim 11 Bolt AISI 316 12 Fixing Point PEEK 13 Spring Seat AISI 304 14 Spring AISI 302 15 Electrode AISI 316 T 16 Bolt AISI 316 T 18 Pfa Cover PFA 19 Electrode AISI 316 T 20 Wire Cover Teflon 21 Wire Welding Wire 22 Gasket Silicone 23 Record 24 Record 25 Pim 26 Bolt 27 Gasket 28 Bolt 29 A.K.B Nut 30 Bolt 31 Flange	4	Bolt	8.8
7 Isolation Pipe Aluminum 8 Pim Bol 9 A.K.B Nut 10 10 Pim 11 11 Bolt AISI 316 12 Fixing Point PEEK 13 Spring Seat AISI 304 14 Spring Seat AISI 302 15 Electrode AISI 316 T 16 Bolt AISI 316 T 17 Fixing Point AISI 316 T 18 Pfa Cover PFA 19 Electrode AISI 316 T 20 Wire Cover Teflon 21 Wire Welding Wire 22 Gasket Silicone 23 Record 24 Record 25 Pim 26 Bolt 27 Gasket 28 Bolt 29 A.K.B Nut 30 Bolt 31 Flange	5	A.K.B Nut	
8 Pim Bol 9 A.K.B Nut 10 Pim 11 Bolt AISI 316 12 Fixing Point PEEK 13 Spring Seat AISI 304 14 Spring AISI 302 15 Electrode AISI 316 T 16 Bolt AISI 304 17 Fixing Point AISI 316 T 18 Pfa Cover PFA 19 Electrode AISI 316 T 20 Wire Cover Teflon 21 Wire Welding Wire 22 Gasket Silicone 23 Record Silicone 24 Record Solt 25 Pim Solt 26 Bolt Solt 29 A.K.B Nut Solt 30 Bolt Solt 31 Flange	6	Isolation Pipe Cover	Kestamid
9 A.K.B Nut 10 Pim 11 Bolt AISI 316 12 Fixing Point PEEK 13 Spring Seat AISI 304 14 Spring AISI 302 15 Electrode AISI 316 T 16 Bolt AISI 304 17 Fixing Point AISI 316 T 18 Pfa Cover PFA 19 Electrode AISI 316 T 20 Wire Cover Teflon 21 Wire Welding Wire 22 Gasket Silicone 23 Record Silicone 24 Record Solt 25 Pim Solt 26 Bolt Solt 27 Gasket Solt 29 A.K.B Nut Solt 30 Bolt Solt 31 Flange	7	Isolation Pipe	Aluminum
10 Pim 11 Bolt AISI 316 12 Fixing Point PEEK 13 Spring Seat AISI 304 14 Spring AISI 302 15 Electrode AISI 316 T 16 Bolt AISI 304 17 Fixing Point AISI 316 T 18 Pfa Cover PFA 19 Electrode AISI 316 T 20 Wire Cover Teflon 21 Wire Welding Wire 22 Gasket Silicone 23 Record 24 Record 25 Pim 26 Bolt 27 Gasket 28 Bolt 29 A.K.B Nut 30 Bolt 31 Flange	8	Pim	Bolt
11 Bolt AISI 316 12 Fixing Point PEEK 13 Spring Seat AISI 304 14 Spring AISI 302 15 Electrode AISI 316 T 16 Bolt AISI 304 17 Fixing Point AISI 316 18 Pfa Cover PFA 19 Electrode AISI 316 T 20 Wire Cover Teflon 21 Wire Welding Wire 22 Gasket Silicone 23 Record Silicone 24 Record ARecord 25 Pim Bolt 26 Bolt Bolt 29 A.K.B Nut Bolt 30 Bolt Bolt 31 Flange	9	A.K.B Nut	
12 Fixing Point PEEK 13 Spring Seat AISI 304 14 Spring AISI 302 15 Electrode AISI 316 T 16 Bolt AISI 304 17 Fixing Point AISI 316 T 18 Pfa Cover PFA 19 Electrode AISI 316 T 20 Wire Cover Teflon 21 Wire Welding Wire 22 Gasket Silicone 23 Record Silicone 24 Record Bolt 25 Pim Gasket 26 Bolt Bolt 29 A.K.B Nut 30 30 Bolt Telange	10	Pim	
13 Spring Seat AISI 304 14 Spring AISI 302 15 Electrode AISI 316 T 16 Bolt AISI 304 17 Fixing Point AISI 316 T 18 Pfa Cover PFA 19 Electrode AISI 316 T 20 Wire Cover Teflon 21 Wire Welding Wire 22 Gasket Silicone 23 Record Silicone 24 Record Solt 25 Pim Solt 26 Bolt Solt 29 A.K.B Nut Solt 30 Bolt Flange	11	Bolt	AISI 316
14 Spring AISI 302 15 Electrode AISI 316 T 16 Bolt AISI 304 17 Fixing Point AISI 316 18 Pfa Cover PFA 19 Electrode AISI 316 T 20 Wire Cover Teflon 21 Wire Welding Wire 22 Gasket Silicone 23 Record Silicone 24 Record Solt 25 Pim Solt 26 Bolt Solt 27 Gasket Solt 28 Bolt Solt 30 Bolt Solt 31 Flange	12	Fixing Point	PEEK
15 Electrode AISI 316 T 16 Bolt AISI 304 17 Fixing Point AISI 316 18 Pfa Cover PFA 19 Electrode AISI 316 T 20 Wire Cover Teflon 21 Wire Welding Wire 22 Gasket Silicone 23 Record Silicone 24 Record Pim 26 Bolt Gasket 27 Gasket Solt 28 Bolt Bolt 29 A.K.B Nut Solt 30 Bolt Flange	13	Spring Seat	AISI 304
16 Bolt AISI 304 17 Fixing Point AISI 316 18 Pfa Cover PFA 19 Electrode AISI 316 T 20 Wire Cover Teflon 21 Wire Welding Wire 22 Gasket Silicone 23 Record Secord 24 Record Secord 25 Pim Secord 26 Bolt Secord 28 Bolt Secord 29 A.K.B Nut Secord 30 Bolt Secord 31 Flange	14	Spring	AISI 302
17 Fixing Point AISI 316 18 Pfa Cover PFA 19 Electrode AISI 316 T 20 Wire Cover Teflon 21 Wire Welding Wire 22 Gasket Silicone 23 Record Silicone 24 Record Solt 25 Pim Solt 26 Bolt Solt 27 Gasket Solt 29 A.K.B Nut Solt 30 Bolt Solt 31 Flange	15	Electrode	AISI 316 Ti
18 Pfa Cover PFA 19 Electrode AISI 316 T 20 Wire Cover Teflon 21 Wire Welding Wire 22 Gasket Silicone 23 Record Silicone 24 Record Silicone 25 Pim Solt 26 Bolt Solt 27 Gasket Solt 29 A.K.B Nut Solt 30 Bolt Flange	16	Bolt	AISI 304
19 Electrode AISI 316 T 20 Wire Cover Teflon 21 Wire Welding Wire 22 Gasket Silicone 23 Record 24 Record 25 Pim 26 Bolt 27 Gasket 28 Bolt 29 A.K.B Nut 30 Bolt 31 Flange	17	Fixing Point	AISI 316
20 Wire Cover Teflon 21 Wire Welding Wi 22 Gasket Silicone 23 Record 24 Record 25 Pim 26 Bolt 27 Gasket 28 Bolt 29 A.K.B Nut 30 Bolt 31 Flange	18	Pfa Cover	PFA
21 Wire Welding Wi 22 Gasket Silicone 23 Record Silicone 24 Record Record 25 Pim Solt 26 Bolt Solt 27 Gasket Solt 28 Bolt Solt 29 A.K.B Nut Solt 30 Bolt Flange	19	Electrode	AISI 316 Ti
22 Gasket Silicone 23 Record 24 Record 25 Pim 26 Bolt 27 Gasket 28 Bolt 29 A.K.B Nut 30 Bolt 31 Flange	20	Wire Cover	Teflon
23 Record 24 Record 25 Pim 26 Bolt 27 Gasket 28 Bolt 29 A.K.B Nut 30 Bolt 31 Flange	21	Wire	Welding Wire
24 Record 25 Pim 26 Bolt 27 Gasket 28 Bolt 29 A.K.B Nut 30 Bolt 31 Flange	22	Gasket	Silicone
25 Pim 26 Bolt 27 Gasket 28 Bolt 29 A.K.B Nut 30 Bolt 31 Flange	23	Record	
26 Bolt 27 Gasket 28 Bolt 29 A.K.B Nut 30 Bolt 31 Flange	24	Record	
27 Gasket 28 Bolt 29 A.K.B Nut 30 Bolt 31 Flange	25	Pim	
28 Bolt 29 A.K.B Nut 30 Bolt 31 Flange	26	Bolt	
29 A.K.B Nut 30 Bolt 31 Flange	27	Gasket	
30 Bolt 31 Flange	28	Bolt	
31 Flange	29	A.K.B Nut	
	30	Bolt	
32 Label	31		
	32	Label	



ELECTRICAL CONNECTION









HEAD OFFICE - MAIN FACTORY

Atatürk Sanayi Bölgesi Hadımköy Mahallesi Mustafa İnan Caddesi No: 44 Arnavutköy - İstanbul Tel: +90 212 771 01 45 (pbx) | Fax: +90 212 771 47 27 info@ayvaz.com | www.ayvaz.com



Cona Caserta / Italy Tel: +39 0823 187 3988 rmolaro@ayvaz.com



Ayvaz Ukraine Kiev / Ukraine Tel : +380 44 390 57 57 info@ayvaz.com.ua



Tricorr Warsaw / Poland Tel: +48 530 030 810 tricorr@tricorr.eu



Ayvaz Germany Viernheim / Germany Tel: +49 62046014399 germany@ayvaz.com



Ayvaz Serbia Belgrade / Serbia Tel : +381 61 658 70 52 yakbiyik@ayvaz.com



Ayvaz Azerbaijan Baku / Azerbaijan Tel : +99(455)579-84-32 ahayatov@ayvaz.com



Ayvaz Kazakhstan LLP Almaty / Kazakhstan Tel : +7 (727) 327 97 57 www.ayvaz.kz



Ayvaz N Isperih / Bulgaria Tel : +359 8431 27 32 office@ayvaz-n.eu



Ayvaz Vietnam HCMC / Vietnam Tel: +84 89 8508345 ggursoy@ayvaz.com



Ayvaz China Ningbo / China Tel : +86 152 5830 7361 msahin@ayvaz.com



Ayvaz Egypt Cairo / Egypt Tel : +20 122 819 78 29 andrew.eid@ayvaz.com



Ayvaz Gulf Dubai / U.A.E. Tel:+971 563550822 +971 501306871 mideast@ayvaz.com



Ayvaz Americas Rhode Island Tel: +1 401 737 8380 americas@ayvaz.com