



**ARVIN<sup>e</sup>GROUP**  
*Sealing Technologies*

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**ARVINeGROUP**  
Sealing Technologies

**Perfluro Oring &  
Diaphragm**  
FFKM  
FVMQ

**Catalog  
Nr.**  
**1**



**Catalog  
Nr.**  
**2**

**Compressor Packing**  
Rider - Piston - Rod - Wiper  
**Packing Part For OEM  
Manufacturer**  
GE - Nuove Pignone  
Siad- Herbieger



**Catalog  
Nr.**  
**4**

**Valve Sealing  
Lining & Accessories**  
PTFE Expansion Joint  
Coated Disc For Butterfly Valve  
Polymer Bearing Seat



**Catalog  
Nr.**  
**3**

**Rotary Sealing**  
For Rotary Heavy Industry  
Pump & Rotary Equipment



**Catalog  
Nr.**  
**6**

**Spring Energized &  
High Pressure Equipment Seals**

**Catalog  
Nr.**  
**7**

**Graphite Parts**  
Graph Oil Seal  
Graphite Gasket



**Catalog  
Nr.**  
**5**

**Static Seal**  
Oring - Xring  
Oring Kit  
Metal Oring  
Incofep Oring  
PTFE Oring

**Stuffing Box Packing**  
Braided Packing

Catalog  
Nr.  
**8**



**Engineered Material**  
PTFE Compound  
Pek Compound

Catalog  
Nr.  
**10**



Catalog  
Nr.  
**9**

**Gasket**  
Isolation Gasket  
Metalic Gasket  
Double Gasket  
Spiral Wound Gasket  
RTJ Gasket



Catalog  
Nr.  
**12**

**Machining Polymer Parts**



Catalog  
Nr.  
**13**

**Diaphragm**  
PTFE  
PVDF  
Fabric Elastomer  
PFA  
UHMW



Catalog  
Nr.  
**14**

**Screw Compressor**  
Refurbishment Services

Catalog  
Nr.  
**11**

**Engineered Plastic**  
PCTFE  
PVDF  
PA6G  
VESPEL , ...





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Carbon Ring For  
Dynamic Seal

Catalog  
Nr.  
**15**



Catalog  
Nr.  
**16**

**Marine Loading Arms**  
Packing - Grease - Accessories

1<sup>st</sup> Iranian Marine Loading Arm,  
MFG Under Licence of 2 European  
Companies.



Catalog  
Nr.  
**18**

**Hydraulic & Heavy Industrial Cylinder**  
(Custom Made)



Catalog  
Nr.  
**17**

**Hydraulic & Pneumatic Sealing**

Piston Seal  
Rod Seal  
Wiper  
Back up Ring - Spiral Back up  
Guide Ring  
Fabric Chevron Seal  
Bonded Seal



Catalog  
Nr.  
**19**

**Rotary Joint**  
(Heavy Industry)



Catalog  
Nr.  
**20**

**Fey Laminar Ring**











Catalog  
Nr.  
**21**

**Vibration Damper**



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Sealing Technologies

## Thermoplastics

Material	Colour	Hardness	Temperature (°C)	Pressure resistance (bar)	Main application	Resistance	Description
PTFE virgin	 white	D ≥ 58	-200 to +260	250	Sealing elements, gliding and supporting elements rotor seals O-rings	Resistant to : To almost all chemicals with the exception of elementary fluor, Chlortrifluoride and melted alkali metals.	Low permeability to gas than the commonly filled types. It has better mechanical properties and less cold flow.
PTFE virgin diet	 white	D 55 ±3	-200 to +260		Static seals, Back up rings and Guide rings	Resistant to : Mineral oil and HFC, Cold water , HFD-U,HETG,Acid oils and gases,Diluted acids and bases	Food-compliant PTFE
PTFE 15% glass fiber 5%mos2	 grey	D 55_60	-200 to +260	350	Sealing elements for lowest friction, Sliding and back-up elements	Resistant to: Most chemicals not to be used for radiation application. Dynamic use in water is not recommended (high wear)	Improved resistance to pressure and less creep tendency Food dielectric properties
PTFE 40% bronze 2% carbon	 gold brown	D 62_67	-200 to +260	450	Guide belts for hydraulic systems Slip rings	Resistant to: Excellent chemical resistance. For all lubricating and non- lubricating hydraulic fluids. Not resistant to: Molten or dissolved alkaline metals, e.g. Sodium	It is the most prevalent type. For all hydraulic applications
PTFE 25% soft carbon	 black	D 60_65	-200 to +260	450	Guide rings and slip rings for pneumatic systems		For soft contact surfaces e.g. Aluminium, stainless steel, Bronze
PTFE 40%bronze 5%mos2	 brown	D 60_67	-100 to +260	450	Unlubricated bearings	Enhanced compressive strength. Good wear resistance and high thermal conductivity	Unlubricated bearings for high speed excluding hard surfaces.
PTFE 60% Bronz 2% Carbon	 dark brown	D 65_70	-200 to +260		Unlubricated bearings	Enhanced compressive strength. Good wear resistance and high thermal conductivity	Unlubricated bearings for high speed excluding hard surfaces.
PTFE 25% Hard Carbon	 black	D 65_70	-200 to +260		Bearings for high speed and when fast dissipation of electric charges is needed	Good resistance to deformation. Excellent resistance to load with low coefficient of friction and high wear strength	Good thermal and electrical conductivity
PTFE Ekonol diet	 beige	D 63 ±3	-200 to +260		Piston and Rod seals,Wiper seals, Guide and back up rings,Rotary seals	Resistant to: Mineral oil and HFC,Cold water , HFD-U, HETG, Acid oils and gases,Diluted acids and bases	Higher mech ,Properties such as PTFE virgin
UHMWPE diet	 white	D 63 ±3	-200 to +80		Piston and Rod seals,Static seals	Resistant to: Mineral oil and HFC, Cold water , HFD-U, HETG, Acid oils and gases,Diluted acids and bases	Good gliding PE
POM	 black	D 85	-40 to +110	DYNAMIC: 500 STATIC: 750	Guide rings, Back-up rings, Wipers for special applications , Special seal parts	Resistant to: Mineral oils and grease,Water,Fuels Not resistant to : Strong acids and bases	Polyacetals and Polyamides are among some of the technical plastics . As a result of their favourable properties -good dimensional stability, High level of hardness, Stiffness and strength with good toughness and resistance to chemicals, as well as good sliding and abrasion behaviour .
PA6	 black	D 85	-40 to +110	DYNAMIC: 500 STATIC: 750	Guide rings, Back-up rings, Special seal parts	Resistant to: Mineral oils and grease,Fuels Not resistant to: Strong acids and bases	
POM diet	 white	D 85 ± 3	-50 to +90		Guide rings, Back-up rings Wipers for special applications.	Resistant to: Mineral oil and HFC,Cold water, HFD-U, HETG, Acid oils and gases,Diluted acids and bases	suitable for moist environments, Good gliding material



Material	Colour	Hardness	Temperature (°C)	Pressure resistance (bar)	Main application	Resistance	Description
NBR	black	A 85 ± 5	-35 to +100	DYNAMIC: 250 STATIC: 500	Piston and Rod seals, Rotary seals, O-rings, Static seals, Grooved rings, Wipers, Shaft rings	Resistant to: Aliphatic hydrocarbons (propane, Butane and Petrol, Mineral Oils and Greases, Diesel fuel, heating oil) Vegetable and animal fats and oils HFA, HFB and HFC fluids Many diluted acids, Bases and Salt solutions at low temperature Water	NBR has good mechanical characteristics and better abrasion resistance compared to other elastomers. NBR is not resistant to weathering and the influence of ozone. NBR can be manufactured with an acryl-nitrile content of 18 % to 50 %. With reduced ACN content the resistance to oil decreases but simultaneously, the flexibility to cold improves
NBR solid	black	A 90 ± 5	-30 to +110		Piston and Rod seals, Wiper seals, Rotary seals, Static seals	Resistant to: Mineral oil and HFC, Cold water Not resistant to: HFDU, HETG, Acid oils and gases	Hard NBR
NBR diet	white	A 90 ± 5	-30 to +105		Piston and Rod seals, Wiper seals, Rotary seals, Static seals	Resistant to: Mineral oil and HFC, Cold water Not resistant to: HFD-U, HETG, Acid oils and gases	Food-compliant NBR-FDA approval
LNBR	black	A 78	-60 to +100	DYNAMIC: 750 STATIC: 400	O-rings, Static seals, Grooved Rings, Wipers	Resistant to: Aliphatic hydrocarbons (propane, mineral oils and greases. Not resistant to: Fuels with high aromatic content, Aromatic hydrocarbons (benzene) Chlorinated hydrocarbons, Polar solvents	For uses at low temperatures.
HNBR	black	A 83 ± 5	-25 to +150	DYNAMIC: 250 STATIC: 500	Piston and Rod seals, Wipers, Rotary seals, Orings, Special seals	Resistant to: Mineral oils and greases, HFC, water, Aliphatic hydrocarbons (propane, butane) Not resistant to: Aromatic hydrocarbons (toluene, benzene), Fire-resistant pressure fluids of the HFD group	HNBR types of rubber are manufactured from nitrile rubber by catalytic hydrogenation. As a result, the maximum possible temperature at which it can be used rises to 150°C and, in certain cases, even to 170°C. Another advantage of the fully hydrogenated qualities is resistance to oxidative corrosion (ozone).
HNBR diet	green	A 82 ± 5	-30 to +150		Piston and Rod seals, Wiper seals, Rotary seals, Static seal	Resistant to: Mineral oil and HFC, Cold water. Not resistant to: HETG	Food-compliant HNBR-FDA approval
HNBR solid	black	A 95 ± 5	-20 to +150		Piston and Rod seals, Wiper seals, Rotary seals, Static seals	Resistant to: Mineral oil and HFC, Cold water. Not resistant to: HETG	Hard HNBR
HNBR ED	black	A 88 ± 5	-30 to +150		Piston and Rod seals, Wiper seals, Rotary seals, Static seal	Resistant to: Mineral oil and HFC, Cold water. Not resistant to: HETG	Against explosive decompression
FKM	brown	A 83 ± 5	-20 to +200	DYNAMIC: 250 STATIC: 500	Shaft seals for High speed O-rings, Hydraulic seals for HFD-fluids	Resistant to: Mineral oils and grease, Aliphatic hydrocarbons, Silicone oils and grease Not resistant to: Overheated steam, Hydrofluoric acid, Chlorosulfonic acid	FKM has the maximum resistance to temperature amongst the prevalent sealing elastomers. In addition, it is highly resistant to oil and fuels. All these designations represent one basic material - Fluorinated rubber. The higher the fluorine content - the better is the chemical resistance.
FKM value	black	A 80 ± 5	-20 to +200		Piston and Rod seals, Wiper seals, Rotary seals, Static seals	Resistant to: Mineral oil and HFD-U, HETG, Cold water	Value FKM
FKM diet	white	A 90 ± 5	-25 to +210		Piston and Rod seals, Wiper seals, Rotary seals, Static seals	Resistant to: Mineral oil and HFD-U, HETG, Cold water	Food-compliant FKM
FKM ED	black	A 88 ± 5	-25 to +215		Piston and Rod seals, Wiper seals, Rotary seals, Static seals	Resistant to: Mineral oil and HFD-U, HETG, Cold water, Acid oils and gases	Against explosive decompression
EPDM	black	A 85 ± 5	-50 to +170	DYNAMIC: 250 STATIC: 500	Special parts for Washers, Piston and Rod seals, O-rings, Rotor seals	Resistant to: Hot water and Hot steam up to 180°C, Fire-resistant pressure fluids of the HFC group Not resistant to: Mineral oils and grease, Aromatic and chlorinated hydrocarbons	EPDM has outstanding resistance to ageing and the impact of weathering, and against ozone, light and UV. EPDM is particularly good for use in steam and suds.
EPDM spring	black	A 88 ± 5	-40 to +150		Piston and Rod seals, Wiper seals, Rotary seals, Static seals	Resistant to: HFC, Cold water, Hot Water and Steam, Diluted acids and bases Not resistant to: Mineral oil, HETG, HFD-U	Drinking water approved EPDM
EPDM diet	white	A 87 ± 5	-40 to +135		Piston and Rod seals, Wiper seals, Static seals	Resistant to: HFC, Cold water, Hot water and steam, Diluted acids and bases. Not resistant to: Mineral oil, HETG, HFD-U	Food-compliant EPDM
MVQ (silicon)	orange	A 82 ± 5	-60 to +300	DYNAMIC: 250 STATIC: 500	Special seals in the chemical and food industry Rotor-seals, O-ring	Resistant to: Ozone and weathering Water up to 80° Hot air Resistance is poor in: Concentrated acids and alkalis as well as in hot steam and water over 100° C.	Silicone rubbers do not contain any carbon atoms in the polymer chain but instead, silicon and oxygen alternately. This characteristic gives it excellent flexibility to withstand cold temperatures with negligible
MVQ diet	white	A 84 ± 5	-50 to +210		Piston and Rod seals, Wiper seals, Static seals	Resistant to: Mineral oil and HFD-U, Cold water	Food-compliant MVQ
MVQ diet	transparent	A 79 ± 5	-50 to +210		Static seals	Resistant to: Mineral oil and HFD-U, Cold water	Food-compliant MVQ
MVQ diet	blue	A 84 ± 5	-50 to +210		Piston and Rod seals, Wiper seals, Static seals	Resistant to: Mineral oil and HFD-U, Cold water	Food-compliant MVQ
AEM standard	black	A 87 ± 5	-40 to +150		Piston and Rod seals, Wiper seals, Rotary seals, Static seals	Resistant to: Cold water, Acid oils and gases, Diluted acids and bases	Specifically for cooling liquids in vehicle
AFLAS	black	A 85 ± 5	-10 to +220	DYNAMIC: 250 STATIC: 500	O-rings, Flat seals, Flange seals (Gaskets)	Resistant to: Water, Steam Mineral oils and greases Aromatic hydrocarbons. Not resistant to: Amines, Ketones and halogens	Tetrafluoroethylene/ propylene is a fluoroelastomer with good resistance to chemicals. One great advantage compared to FKM types lies in the resistance to water and steam.
AFLAS ED	black	A 87 ± 5	-10 to +220		Piston and Rod seals, Wiper seals, Rotary seals, Static seals	Resistant to: Mineral oil and HFD-U, HETG, Cold water, Acid oils and gases, Hot water and steam	Against explosive decompression



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## Polyurethanes

Material	Colour	Hardness	Temperature (°C)	Pressure resistance (bar)	Main application	Resistance	Description
PU	 green	A 95 ± 3 D 48 ± 3	-30 to +110	DYNAMIC: 400 STATIC: 750	Piston seals ,Rod seals, O-rings Grooved rings Wipers Slip rings	Resistant to: Hydraulic fluids basing on mineral oil , Water up to 40°C,Aliphatic hydrocarbons ( propane, butane ) Not resistant to : Aromatic hydrocarbons chlorinated hydrocarbons,Ketones,glycols, Hot water, Steam, Alkalis, Gas permeability of pu is very low but HPU is lower.	PU is a thermoplastic polyurethane-elastomer ,PU types are based on polyester diols. They are particularly suitable in hydraulic systems
HPU	 red	A 94 ± 3 D 49 ± 3	-30 to +110	DYNAMIC: 400 STATIC: 750	Piston seals , Rod seals,Wiper seals, O-rings for water hydraulic and in degradable oils	Resistant to: Mineral oil, HFD-U, HETG ,Acid oils and Gases,Cold water ,Diluted acids and bases	The HPU types are all based on a special ester polyol are hydrolysis resistant and can be used in hot water.
Soft pu	 light green	A 85 ± 3	-40 to +95	STATIC: 750	Piston and Rod seals,Wiper seals, Static seals	Resistant to: Mineral oil, HFD-U, HETG ,Acid oils and Gases,Cold water ,Diluted acids and bases	
HPU drinking water	 transparent	A 95 ± 2	-30 to +105	STATIC: 750	Piston and Rod seals,Wiper seals, Static seals,Guide and back up ring	Resistant to: Mineral oil, HETG,Cold water,Diluted acid and bases Not resistant to: HFC	Ktw approval
HPU FDA	 opaque	A 95 ± 5 D 48 ± 3	-40 to +100	STATIC: 750	Piston and Rod seals,Wiper seals, Static seals,Guide and Back up ring	Resistant to mineral oil and diluted acids and bases. Not resistant to: HFC, Acid oils and gases, Hot water and steam	Food-compliant PU -FDA sanitary approval
LT-PU	 blue	A 95 ± 3 D 48 ± 3	-45 to +110	DYNAMIC: 500 STATIC: 750	Mobile hydraulics	Resistant to: Mineral oils and greases Several hydraulic media Cold water. Not resistant to: Hot water Aromatic solvents Concentrated solvents Concentrated alcohols Concentrated acids and bases	LT-PU types are well suited for mobile hydraulic systems in cold climatic zones and for deep freezing
S-PU	 grey	A 95 ± 3 D 48 ± 3	-20 to +110	DYNAMIC: 350 STATIC: 750	Pneumatic applications	Resistant to: Oily air and disposable lubrication.High chemical resistance , Fire resistant hydraulic fluids of the category HFA and HFB and in oil-free pneumatics.	This material shows fail-safe characteristics by adding lubricants.special demands to friction limitation, slip - stick-conditions.Compared to HPU, SPU has superior sliding properties
XHPU Solid	 dark red	D 57 ± 3	-25 to +110	STATIC: 750	Piston and Rod seals,Wiper seals, Rotary seals , Static seals , Guide and Back up ring	Resistant against mineral oil acid oils and gases ,Cold water and diluted acids and bases, HFD-U	Hard PU ,substitute for PA
XHPU lubric	 black	D 58 ± 3	-30 to +105	STATIC: 750	piston and rod seals,wiper seals, rotary seals , Static seals, back up and guide ring	Resistant to: Mineral oil, HFD-U,HETG,Acid oils and gases, Cold water ,Diluted acids and bases	Hard, lubricant-filled PU



Material	Colour	Drying Temperature / Time	Tensile Strength (MPa)	Tensile Elongation %	Flexural Strength (MPa)	Description
PEEK Superior temperature filled	 natural	180°C / 3h or 150°C / 6h	110	10	170	High performance thermoplastic material, Standard flow, Semi crystalline, Coarse powder for extrusion compounding, Low flow.
PEEK premium wear grades	 black	150°C / 3h or 120°C / 5h	195	1.8	290	High performance thermoplastic material, Reinforced with wear additives, Semi crystalline, Granules for injection moulding, Easy flow, FDA food contact compliant .
PEEK friction and wear polymer grades	 beige	150°C / 3h or 120°C / 5h	78	25	125	High performance thermoplastic material, 20% filled with PTFE ,Granules for injection moulding and extrusion, Standard flow, FDA food contact compliant.
PEEK carbon fiber reinforced grades	 black	150°C / 3h or 120°C / 5h	330	1.2	475	High performance thermoplastic material, 40% carbon fibre reinforced PolyEtherEtherKetone (PEEK), Semi crystalline, Granules for injection moulding, Easy flow.
PEEK glass-filled grades	 beige	150°C / 3h or 120°C / 5h	170	2.9	260	High performance thermoplastic material, 30% glass fibre reinforced PolyEtherEtherKetone (PEEK), Semi crystalline, Granules for injection moulding and extrusion, Low flow.
PEEK unfilled grades	 black	150°C / 3h or 120°C / 5h	98	30	165	Unlubricated bearings for high speed excluding hard surfaces.
PEEK unfilled granule grades	 beige	150°C / 3h or 120°C / 5h	95	50	155	High performance thermoplastic material , Semi crystalline, Granules for injection moulding and extrusion, Low flow, FDA food contact compliant.
PEEK unfilled powder grades	 natural	150°C / 3h or 120°C / 5h	90	30	150	High performance thermoplastic material, Semi crystalline, Coarse powder for extrusion compounding, Low flow, FDA food contact complian.



<b>Perfluro Oring &amp; Diaphragm</b>	<b>1</b>
• ( FFKM , FVMQ )	
• High temperature +330 °C , low temperature -96 °C ( Cryogenic) Equivalent to KALREZ USA ,GREEN TWEED, CHEMRAZ, SIMRIZ, PARKER, FLOW SERVE	
<b>Compressor Packing</b>	<b>2</b>
• (Rider ring- Piston packing –Rod packing- Valve plates,Valve ring )	
<b>Rotary Sealing</b>	<b>3</b>
• For Rotary Heavy Equipment ( Pump ,Fan, Blower, Agitator , compressor )	
• (Oil seals, Lip Seals, V Ring, Roto slide seals, PTFE Rotary oil seals, Bearing Isolator(Labyrinth Seals )).	
<b>Valve Sealing</b>	<b>4</b>
• Lining & Accessories	
• ( PTFE expansion joint , Coated disc for butterfly valves, Seat & Bearing, PTFE liner for butterfly valve )	
<b>Static Seals ( Standard And Machining Type)</b>	<b>5</b>
• (Oring (elastomer and PTFE ) , X ring(quad), D ring, Oring service kit, Cord oring, incofep oring, metal oring (inconel, monel,...)	
<b>Spring Energized &amp; High Pressure Seals</b>	<b>6</b>
<b>Graphite Parts</b>	<b>7</b>
• (Expanded graphite moulded seals( Graph oil seal), Graphite gasket, Squared section, Trapezoidal section, HTX packing for high application)	
<b>Stuffing Box Packings ( Gland Packing )</b>	<b>8</b>
• Braided packings (non asbestos)	
<b>Flange Gasket</b>	<b>9</b>
• ( Isolation gasket , Metallic gasket , Double jacket gasket , Spiral wound gasket , RTJ gasket )	
<b>Engineered Material</b>	<b>10</b>
• PTFE compound ( virgin -glass fiber-glass fiber + Mos2-carbon graphite , bronze)	
• Peek (different grades )	
<b>Engineered Plastic</b>	<b>11</b>
• (PCTFE , PVDF, PA6G, VESPEL,... )	
<b>Machining Polymer Parts</b>	<b>12</b>
• (Machining all sealing element based on special software all PTFE compound PEEK & engineered plastics)	
<b>Diaphragm For Valves</b>	<b>13</b>
• (PTFE , PVDF , FABRIC elastomers , PFA , UHMW , PFA )	
<b>Screw Compressor</b>	<b>14</b>
• Refurbishment service on stages (Belgium Service Center)	
<b>Carbon Ring For Dynamic Seal</b>	<b>15</b>
<b>Marine Loading Arms</b>	<b>16</b>
• Packing-grease-accessories	
• 1 <sup>ST</sup> IRANIAN Marine loading arm MFG Under license of 2 European companies.	
<b>Hydraulic &amp; Pneumatic Seals ( standard and machining type)</b>	<b>17</b>
• PISTON seal - ROD seal - wiper - back up ring - spiral back up - guide ring fabric chevron seal- bonded seal	
<b>Hydraulic Cylinder Manufacturing</b>	<b>18</b>
• Hydraulic and heavy industry cylinder - German technology	
<b>Rotary Joint</b>	<b>19</b>
• Heavy industry	
• Continuous casting machines	
<b>Fey Laminar ring</b>	<b>20</b>
• Metal Sealing ring , rotating ring , harsh environment sealing	
<b>Vibration Elastic Damper</b>	<b>21</b>



ARVIN GROUP

Sealing Technologies

شرکت آروین آفاق پارس (سهامی خاص)

این شرکت با ماهیت سهامی خاص در سال ۱۳۸۷ تاسیس و به عنوان شرکت دانش بنیان تخصصی Sealing در زمینه ساخت انواع آب بندهای استاتیک و دینامیک ، پکینگ های کمپرسور ، آب بندهای سیلندرهای هیدرولیک و پنوماتیک و انواع سیل های پرفشار صنایع نفت ، گاز و پتروشیمی ، پالایشگاهها فولاد صنایع سنگین و تنها سازنده پکینگ های بارگیری دریایی در خاورمیانه با صادرات به GCC و خاور میانه موقعیت خود را در بازارهای منطقه ای تثبیت نمود .  
در چرخه ساخت ، انتقال تکنولوژی و تامین ، این شرکت از نمایندگی ۵ شرکت کانادایی ، سوئیسی ، ایتالیایی ، آلمانی و اتریشی بهره می برد و به عنوان یک شرکت مهندسی و بازرگانی توانائی طراحی ، انتخاب ، تامین و ساخت گستره وسیعی از آب بندهای تجهیزات دوار و رفت و برگشتی را دارا می باشد .

سرویس های قابل عرضه عبارتند از :

- تامین اورینگ های FFKM- FVMQ به عنوان نمایندگی انحصاری Asmart کانادا قادر به ارائه تخصصی ترین اورینگ های Perfluoro در رقابت و هم عرض کیفی Parker- Isolate - Chemraz - Green Tweed - Flowserve- Karlez .
- طراحی ، ساخت و آنالیز پکینگ های کمپرسورهای رفت و برگشتی
- ساخت آب بندهای پرفشار پمپ ها و خطوط پرفشار تا ( 1500 bar )
- آب بند های ولو ( Coated Disc - PTFE Liner - PTFE Expansion - Seat )
- پکینگ های پمپ های پرفشار ( پلاتنجر - سانتریفیوژ ) Graphit Packing - Gland Packing
- پکینگ های سیلندرهای هیدرولیک و پنوماتیک
- آب بندهای تجهیزات دوار ( فن ، بلور ، توربین ، میکسرو آجیتاتور )
- پلاستیک های مهندسی ( UHMW - PFA - PVDF - VESPEL - PCTFE- PTFE - PEEK , ... ) به صورت Sheet - Tube - Rod
- گسکت های RTJ و Isolation Gasket جهت حفاظت کاندی
- آب بندهای پایه کربنی ( کارباید - سرامیک )
- پکینگ های بازوهای بارگیری دریایی ( ساخت انحصاری در خاور میانه )
- آب بندهای فلزی ( Metal Oring ) با پوشش های Inconel و Monel , Fey Laminarring
- سیلندرهای هیدرولیک ( ساخت سفارشی تکنولوژی آلمان ) .

آروین آفاق پارس با در اختیار داشتن دو مجموعه کارگاهی ۵۰۰۰ و ۲۰۰۰ مترمربعی که این بخش در شهرک علمی تحقیقاتی اصفهان به عنوان بخش دانش بنیان ثبت شده است با دسترسی سریع به مسیر های ارتباطی به اتوبان های کنارگذر و فرودگاه اصفهان امکان ارسال و صادرات کالا را به راحت ترین شکل ممکن فراهم ساخته است ، همچنین این شرکت در حال حاضر به عنوان اولین و تنها سازنده داخلی بازوهای بارگیری دریایی در خاورمیانه و تحت لیسانس دو شرکت اروپائی در حال فعالیت می باشد.





### **Arvin E Group (Arvin Afagh Parsian )**

is a privately held company established in 2008 .We would like to introduce ourselves as the first knowledge base HIGH TECH static & Dynamic seal manufacturer company in IRAN & middle east based on Austrian new seal machining Technology , we are able to substitute almost all your seal ( part No ) with our local stabilized technology and original raw material , with ability to test your sample in our Canadian and Swiss laboratories and recognizing your right composition plus develop and designing new seal based on your existing technology .

Moreover with having a professional trade team and a group of European and Canadian seal manufacturer agency right for Iran & middle east is ready to exceed all your SEALING expectations , as a one stop shop .



our topic would be consist of :

- **Reciprocating Compressor packing**
- **perfluro elastomer oring and compound ( FFKM- FVMQ ) ,**
- **HIGH Pressure seal UP to 1500 bar**
- **Valve sealing**
- **Pump packing**
- **Hydraulic & pneumatic sealing – machining technology**
- **Rotary sealing equipment PACKING**
- **Engineered plastic ( PEEK- PTFE –PVDF-PCTF ...)**
- **RTJ Gasket**
- **Carbon packing**
- **Marine Loading arms packing**
- **Metallic sealing**
- **Hydraulic cylinder ( Heavy duty )**

We are a fully integrated seal manufacturer that conceptualizes, design, manufactures, markets, services and repairs our complete line of valve and marine loading arms in the region. The combination of innovation, high safety standards, quality assurance and manufacturing skills has resulted in the continuous expansion and the phenomenal growth of the company.

Arvin E group has a manufacturing area of 2000 sq. meters. Located in new technology industrial zone .

The site is located close to high way to Airport and truck roads for dispatch of goods to all parts of the world.

All personal are experienced and well trained in seal technology and have specialized knowledge of metallurgy, manufacturing methods and quality procedures. The manufacturing plant includes some of the most modern Computerized Numerically Controlled Machines currently used in industry.

# Sealing Technologies



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