

HIGH PRESSURE SERVICE (PRESSURE SEAL) GATE, GLOBE & CHECK VALVE RANGE







HIGH PRESSURE SERVICE (PRESSURE SEAL) VALVE RANGE



















POYAM VALVES is one of the world's leading manufacturers of high specification high pressure service "pressure seal" design gate, globe & check valves, recognized as a leader in quality and innovation. Founded in 1964, our company has developed advanced engineering capabilities and innovation-driven focus to continuously expand our offer of high quality- high technology valves. Today we produce engineered products up to 56" and up to 2500# in a variety of standard and rare materials such as Titanium, Hastelloy, Incoloy, Inconel, Super Duplex,We can also produce the entire range of weld overlays on any kind of base materials for abrasive and corrosive aplications.

POYAM high pressure service "pressure seal" design gate, globe & check valves are installed throughout the world, handling diverse applications in :

Power Generation Elevated Temperatures Oil & Gas Production/Drilling Marine

PTA Geothermal Processes Petrochemical Mining

Abrasive & Corrosive Serv. Hydrofluoric Acid Processing Pipeline (Natural Gas) Chemicals

Refinery Offshore-Platform Pipeline (Oil/Liquid) Pharmaceuticals

With our own quality- renowned foundry AMPO and long experience in this range of valves, Poyam Valves is able to design and manufacture high technology valves with the best performance and low maintenance cost.

Through our Field Engineering Service (FES) team we provide timely response to customers' needs worldwide: give technical support in commissioning & start up stage, maintenance shut down supervision, troubleshooting and repair service, equipment selection, maintenance and operation training....



PRESSURE SEAL DESIGN (HIGH PRESSURE APPLICATIONS) GATE VALVES (Also available in bolted bonnet design)

DESIGN BASIS (API 600)

API, BS, MSS, ANSI, ASME, ASTM Standards:

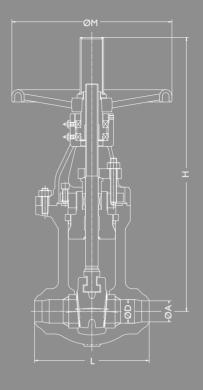
Classes: 150 lbs up to 2500 Lbs.

2" up to 56" Sizes:

Construction:

- Pressure seal type.
- Flanged and butt weld ends. - Manual and motor-operated.

- Metal-Metal seats.



FLEXIBLE WEDGE

CLASS 900 DIMENSIONS IN MILLIMETERS

ND.	3″	4"	6"	8"RC	10"RC	12"RC	14"RC	16"RC	18"RC	20"RC	24"RC
L	304,8	355,6	508	660,4	787,4	914,4	990,6	1092,2	1219,2	1320,8	1549,4
A	S/SCHED.										
D	70	98	152	190	238	283	311	356	400	445	533
Н	701	793	1077	1300	1540	1750	1955	2180	2230	2250	2480
M	380	380	500	800	800	600	600	600	900	900	900
Weight (Kg) (BW)	83	119	253	475	816	1109	1210	1785	2325	3075	4620

CLASS 1500 DIMENSIONS IN MILLIMETERS

ND.	2"	3"	4"	6 "RC	8"RC	10 "RC	12″RC	14"RC	16"RC	18"RC	20"RC	24"RC
L	215,9	304,8	406,4	558,8	711,2	863,6	990,6	1066,8	1193,8	1346,2	1473,2	1625,6
A	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.
D	48	70	92	136	178	222	264	289	330	371	416	498
Н	556	710	875	1235	1440	1645	1855	1875	2000	2180	2230	2440
M	325	380	500	700	700	700	800	900	900	1000	1000	800
Weight (Kg) (BW)	44	88	190	276	708	1068	1600	1820	2191	3980	5970	7761

ND.	2"	3"	4"	6"RC	8"RC	10"RC	12"RC	14" _{RC}	16″RC	18"rc	20"RC	24"RC
L	279,4	368,3	457,2	609,6	762	914,4	1041,4	1117,6	1244,6	1397	1574,8	1676,4
A	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.							
D	38	58	73	111	146	184	220	241	276	311	343	413
Н	550	762	878	1215	1377	1642	1882	1990	2045	2200	2320	2590
M	325	380	500	600	600	700	800	900	900	1000	1000	1000
Weight (Kg) (BW)	82	164	283	524	716	1304	2400	2791	3516	6143	10500	12350





PARALLEL SLIDE

H

ND.	3"	4"	6"	8"RC	10"RC	12″RC	14" _{RC}	16"rc	18″RC	20"rc	24″ _{RC}
L	304,8	355,6	508	660,4	787,4	914,4	990,6	1092,2	1219,2	1320,8	1549,4
A	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.						
D	70	98	152	190	238	283	311	356	400	445	533
Н	701	793	1077	1300	1540	1750	1955	2180	2230	2250	2480
M	380	380	500	800	800	600	600	600	900	900	900
Weight (Kg) (BW)	88	112	276	384	940	1170	1350	2025	2995	3242	4862



CLASS 1500 DIMENSIONS IN MILLIMETERS

ND.	2"	3"	4"	6″ RC	8"RC	10"RC	12″ RC	14"RC	16"RC	18"rc	20"RC	24"RC
L	215,9	304,8	406,4	558,8	711,2	863,6	990,6	1066,8	1193,8	1346,2	1473,2	1625,6
A	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.
D	48	70	92	136	178	222	264	289	330	371	416	498
Н	556	710	875	1235	1440	1645	1855	1875	2000	2180	2230	2440
M	325	380	500	700	700	700	800	900	900	1000	1000	800
Weight (Kg) (BW)	48	88	168	312	688	1310	1690	2062	2306	3459	5619	7500

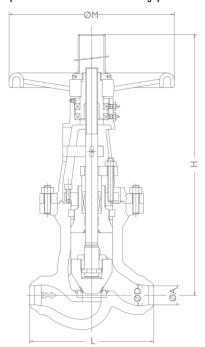
ND.	2"	3"	4"	6 "RC	8"RC	10"rc	12"RC	14" _{RC}	16″RC	18″RC	20"RC	24"RC
L	279,4	368,3	457,2	609,6	762	914,4	1041,4	1117,6	1244,6	1397	1574,8	1676,4
A	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.
D	38	58	73	111	146	184	220	241	276	311	343	413
Н	550	762	878	1215	1377	1642	1882	1990	2045	2200	2320	2590
M	325	380	500	600	600	700	800	900	900	1000	1000	1000
Weight (Kg) (BW)	90	150	279	549	805	1450	2346	2710	3756	6425	10845	12865







PRESSURE SEAL DESIGN (HIGH PRESSURE APPLICATIONS)
GLOBE VALVES
(Also available in bolted bonnet design)



Standards: API, BS, MSS, ANSI, ASME, ASTM 150 lbs up to 2500 Lbs. Classes:

2" up to 56" Sizes:

- Pressure seal type. Construction:

- Flanged and butt weld ends.
- Manual and motor-operated.
- Metal-Metal seats.
- Throttling Service Globe valves.



CLASS 900 DIMENSIONS IN MILLIMETERS

ND.	3"	4 "RC	6″ RC	8″RC	10 "RC	12″RC
L	304,8	355,6	508	660,4	787,4	914,4
A	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.
D	73	98	146	190	238	283
Н	654	957	1245	1457	1705	1861
M	380	500	600	800	900	900
Weight (Kg) (BW)	80	126	410	680	1350	1571



CLASS 1500 DIMENSIONS IN MILLIMETERS

ND.	2"	3″	4″ _{RC}	6″ RC	8" _{RC}	10 "RC	12″₨
L	215,9	304,8	406,4	558,8	711,2	863,6	990,6
A	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.
D	48	70	92	136	178	222	264
Н	590	697	1007	1331	1535	1834	1926
M	380	500	600	800	800	900	900
Weight (Kg) (BW)	87	98	134	410	712	1571	1756

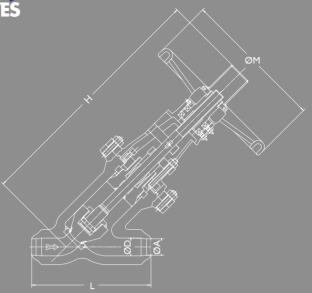


N.B.	0	0.0	4	4	0	40	40"
ND.	2"	3"RC	4" _{RC}	6 "RC	8 "RC	10 "RC	12"RC
L	279,4	368,3	457,2	609,6	762	914,4	1041,4
A	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.
D	38	58	73	111	146	184	220
Н	700	1051	1324	1512	1758	1883	1985
M	500	600	700	800	900	900	900
Weight (Kg) (BW)	74	181	306	582	1116	1924	2630

PRESSURE SEAL DESIGN (HIGH PRESSURE APPLICATIONS)
"Y" PATTERN GLOBE VALVES







CLASS 900 DIMENSIONS IN MILLIMETERS

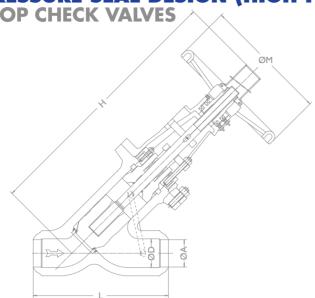
ND.	3"	4″ RC	6 "RC	8″RC	10 "RC	12″RC
L	304,8	355,6	508	660,4	787,4	914,4
A	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.
D	73	98	146	190	238	283
Н	652	815	1427	1604	1835	1869
M	380	500	600	800	900	900
Weight (Kg) (BW)	76	120	402	671	1319	1527

CLASS 1500 DIMENSIONS IN MILLIMETERS

ND.	2"	3"	4"RC	6"RC	8″RC	10 "RC	12″rc
L	215,9	304,8	406,4	558,8	711,2	863,6	990,6
A	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.
D	48	70	92	136	178	222	264
Н	605	755	1089	1524	1712	2065	2097
M	380	500	600	800	800	900	900
Weight (Kg) (BW)	52	80	120	420	732	1476	1664

ND.	2"	3"RC	4"RC	6"RC	8″ RC	10 "RC	12″RC
L	279,4	368,3	457,2	609,6	762	914,4	1041,4
A	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.
D	38	58	73	111	146	184	220
Н	635	1105	1282	1578	1822	1984	2135
M	500	600	700	800	900	900	900
Weight (Kg) (BW)	104	140	266	506	1150	1806	2720

PRESSURE SEAL DESIGN (HIGH PRESSURE APPLICATIONS) STOP CHECK VALVES



CLASS 900 DIMENSIONS IN MILLIMETERS

ND.	3"	4" _{RC}	6″ RC	8"RC	10"RC	12"RC
L	304,8	355,6	508	660,4	787,4	914,4
A	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.
D	73	98	146	190	238	283
Н	652	815	1427	1604	1835	1869
M	380	500	600	800	900	900
Weight (Kg) (BW)	78	123	408	681	1329	1534

CLASS 1500 DIMENSIONS IN MILLIMETERS

ND.	2"	3"	4"RC	6 "RC	8"RC	10"RC	12"rc
L	215,9	304,8	406,4	558,8	711,2	863,6	990,6
A	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.	S/SCHED.
D	48	70	92	136	178	222	264
Н	605	755	1089	1524	1712	2065	2097
M	380	500	600	800	800	900	900
Weight (Kg) (BW)	56	82	126	421	741	1560	1789

ND.	2"	3"RC	4"RC	6"RC	8"RC	10″RC	12″rc
L	279,4	368,3	457,2	609,6	762	914,4	1041,4
A	S/SCHED.						
D	38	58	73	111	146	184	220
Н	635	1105	1282	1578	1822	1984	2135
M	500	600	700	800	900	900	900
Weight (Kg) (BW)	123	168	286	534	1423	2158	3201



PRESSURE SEAL DESIGN (HIGH PRESSURE APPLICATIONS)
CHECK VALVES
(Also available in bolted bonnet design)



Standards: Classes: Sizes:

API, BS, MSS, ANSI, ASME, ASTM 150 lbs up to 2500 Lbs. 2" up to 56"

- Swing Check type/ Lift Check type.
- Flanged and butt weld ends.

- Metal-Metal seats.

- Pressure seal.



CLASS 900 DIMENSIONS IN MILLIMETERS

ND.	3"	4"	6"	8"	10"RC	12"	14"	16"	18"	20"	24"
L	304,8	355,6	508	660,8	787,4	914,4	990,6	1092,2	1219,2	1320,8	1549,4
A	S/SCHED.										
D	73	102	147	190	238	283	311	356	400	450	540
Н	301	310	403	458	556	580	670	775	886	1000	1037
M											
Weight (Kg) (BW)	48	68	154	212	576	728	1110	1325	1705	2000	2976

CLASS 1500 DIMENSIONS IN MILLIMETERS

ND.	2"	3"	4"	6"	8″	10"	12"	14"	16"	18"	20"	24"
L	215,9	304,8	406,4	558,8	711,2	863,6	990,6	1066,8	1193,8	1346,2	1473,2	1625,6
A	S/SCHED.											
D	48	73	92	136	178	222	264	289	330	371	416	498
Н	220	301	364	422	499	645	668	729	840	866	1095	1134
M												
Weight (Kg) (BW)	21	52	76	226	314	824	1000	1488	1700	2314	2746	3495



ND.	2"		3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
L	27	9,4	368,3	457,2	609,6	762	914,4	1041,4	1117,6	1244,6	1397	1574,8	1676,4
A	S/:	SCHED.	S/SCHED.										
D	38		58	73	111	146	184	220	241	276	311	343	413
H	250)	288	399	472	525	678	698	775	895	1012	1190	1246
M	-												
Weight (Kg) (BW)	28	/	70	138	216	404	1305	1390	1780	3280	3772	4526	5432







"OUR FOUNDRY WORKS TOGETHER
WITH OUR R+D+I TEAM TO CREATE NEW
DEVELOPMENTS AND DESIGNS, A KEY FACTOR
IN ENABLING POYAM TO CONTROL THE WHOLE
PROCESS, FROM START TO FINISH".

OUR FOUNDRY, AMPO

Our own foundry AMPO is fully in line with POYAM manufacturing processes, providing us with the best quality castings and service.

Cast materials are produced under strict quality controls at the AMPO foundry. Ongoing control is the key to our quality and success, starting with castings from one of the world's leading valve foundries, AMPO, through a finished and tested product to any specification, all within our own facilities.

HOMOLOGATIONS / CERTIFICATIONS: ISO 9002. TÜV. LLOYD'S. BUREAU VERITAS. NKK.

CARBON STEEL FOR GENERAL USE WCB, WCC, 1.0619...

CARBON STEEL FOR LOW TEMPERATURE LCB, LCC...

ALLOY STEEL WC1, WC6, WC9, C5, C12...

ALLOY STEEL FOR LOW TEMPERATURE LC1, LC2, LC3,...

MARTENSITIC STEEL AND FERRITIC MARTENSITE FOR GENERAL SERVICE AND LOW TEMPERATURE CA15, CA6NM, 1.4008...

















AUSTENITIC STAINLESS STEEL FOR GENERAL USE, LOW TEMPERATURE CF8, CF8M, CF8C, CF3,CF3C, CF3M, 1.4308, 1.4408, 1.4552...

SUPERAUSTENITIC ALLOYS CN7M, CK3MCuN, 254 SMO, 654 SMO...

DUPLEX ALLOYS S31803, S32760, A890Gr4A, A890Gr5A, A890Gr6A, CD4MCu...

NICKEL BASE ALLOYS INCOLOY 825, MONEL 400, INCONEL 625, CW-6MC, CW-12MW...

BEST VALVE QUALITY

The operativity and processes are implemented and governed by our quality assurance system, certified to ISO 9001 & API Spec Q1 & 6D, and subjected to continuous review and audit by internal quality audits, third-party inspection agencies, and main engineering companies worldwide, demonstrating POYAM compliance with customer requirements and international standards.

Internal Quality Control Personnel are highly-qualified to carry out Non-Destructive Examinations, such as X-ray, Dye Penetrant, Magnetic Particles and PAMI (positive alloy material identification).

POYAM VALVES has efficient means to meet targets defined in the Strategic Plan. Our company and its product meet all legislative requirements, as well as international codes and standards. Every step from purchase order receipt through procurement, NDE, machining, assembling, testing, painting and packaging is in accordance with regulations stipulated in OA Manuals.

"OUR GOAL IS TO PLEASE THE CUSTOMER BY OFFERING PRODUCTS AND SERVICES
THAT NOT ONLY MEET CUSTOMER REQUIREMENTS BUT ALSO EXCEED THEIR
EXPECTATIONS THROUGH HIGHLY-TRAINED, EXPERIENCED PERSONNEL AND
CONTINUOUS IMPROVEMENT OF OUR INTERNAL PROCESSES".























"INTERNAL WELD OVERLAY OPTIONS FOR ABRASIVE AND/OR CORROSION APPLICATIONS ARE AVAILABLE".

INTERNAL WELD OVERLAY TECHNOLOGIES

Poyam Valves solid commitment to high performance and top quality products provide the best welding technology and solutions for any kind of welding needs:

- 1- Our advanced technologies and high productivity allows Poyam Valves to produce the entire range of weld overlays on any kind of base materials in the shortest turn around times using rare materials.
- 2- High quality deposits of Stellite 6 and other hardfacing alloys are assured by the use of the following state of the art technology: controlled preheating, automatic Plasma Arc hardfacing equipment and a controlled cooling process.





DESIGN FEATURES

SPECIFICATIONS

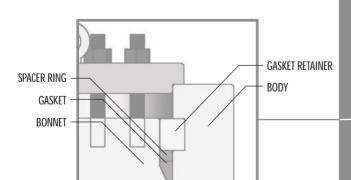
- Design to ASME B 16.34 / API 600.
- End to End dimensions conform to ASME B 16.10.
- Butt Welding End Valves conform to ASME B 16.25.
- Flanged End Valves conform to ASME B 16.5.
- Testing according to API 598 / MSS SP 54. Any other customers specifications also available.
- NDT examinations.
- Seismic calculations available.

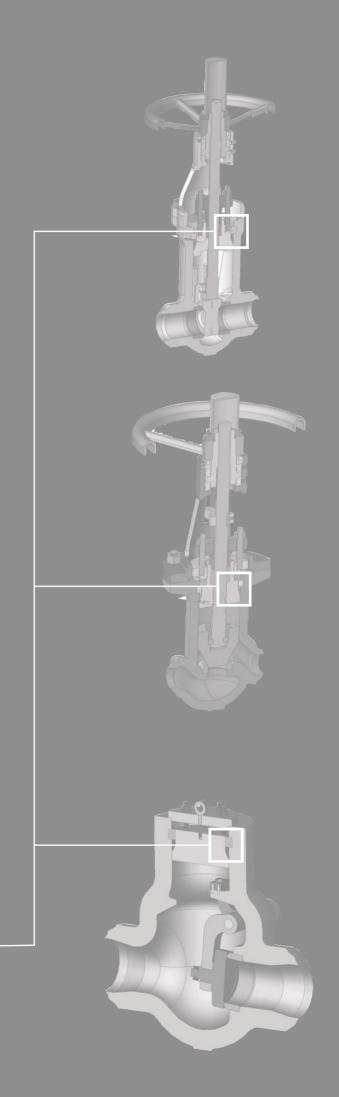
TYPICAL PRESSURE-SEAL CONSTRUCTION

The pressure-seal gasket is an optimum angular relationship with the body and bonnet to provide a high sealing force as it yields initially under bolting preload and then under line pressure. The higher the line pressure the better the seal.

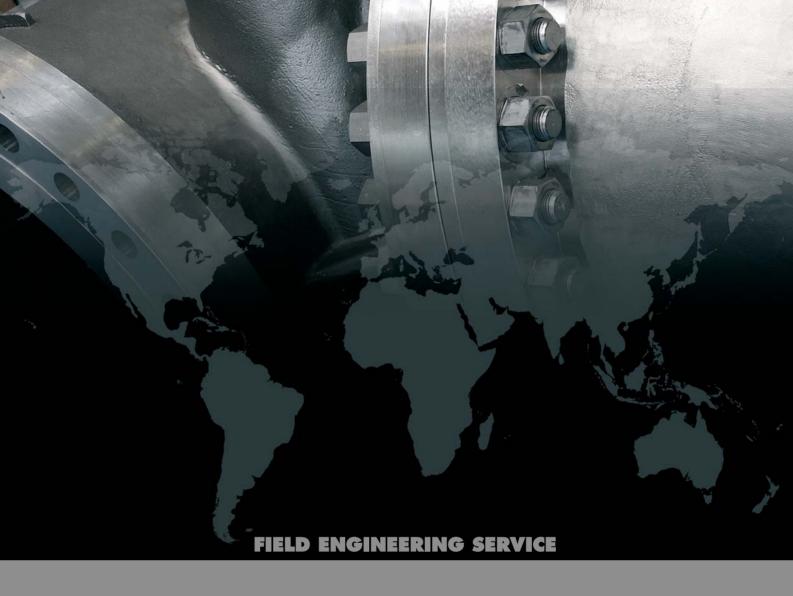
BY-PASSES

Pressure Seal Valves are furnished with by-passes, where specified. By-passes are suitable for equalizing the pressure around main control valves and similar applications. By-pass valves conform to MSS-SP45 as to location and size.



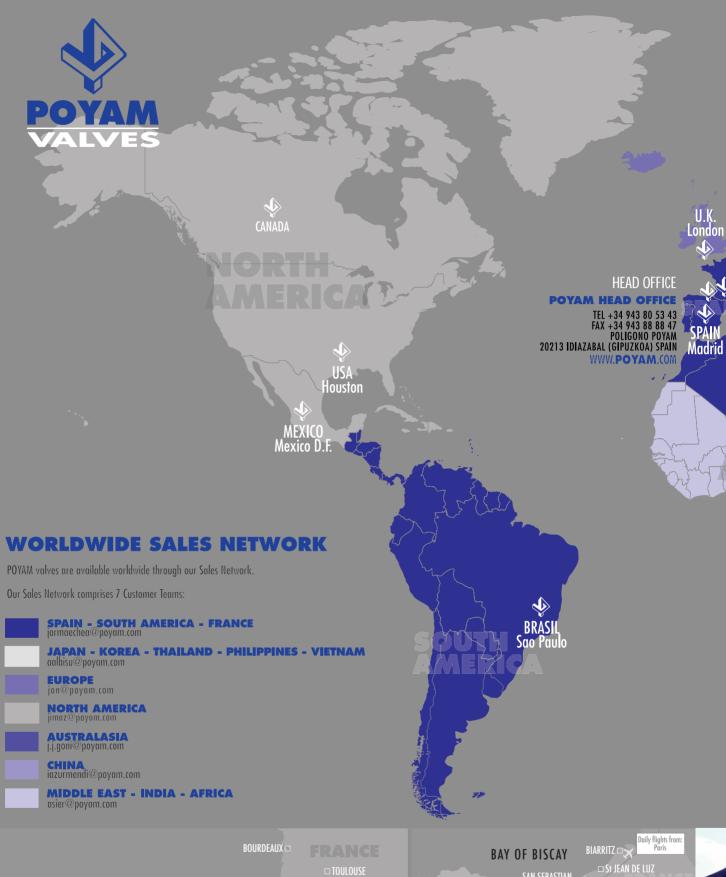






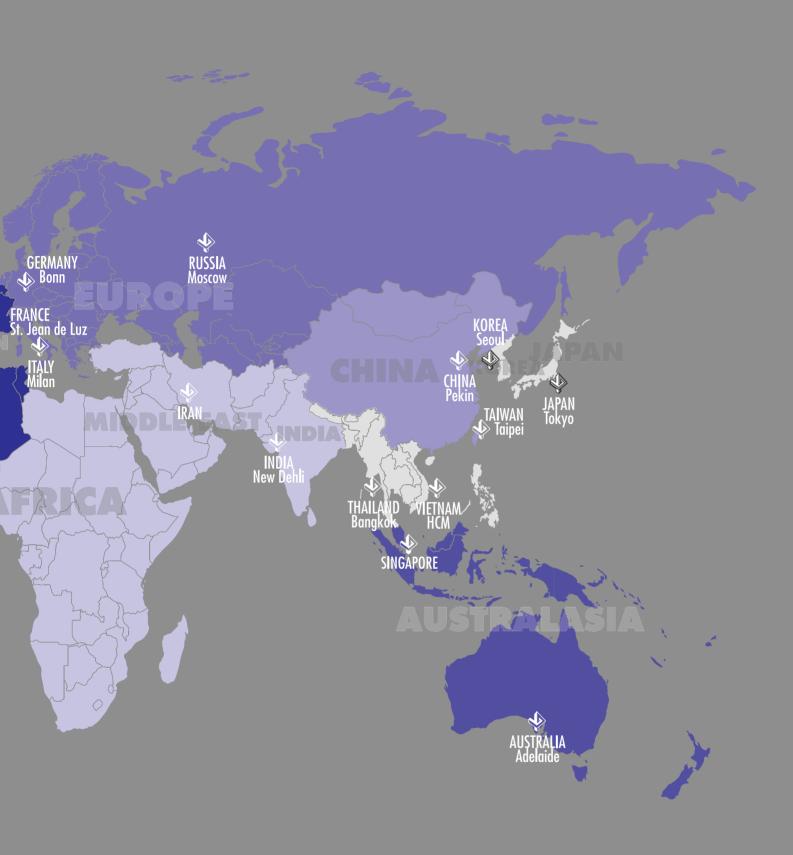


"THROUGH OUR FIELD ENGINNERING SERVICE (FES) TEAM
WE PROVIDE TIMELY RESPONSE TO CUSTOMER NEEDS
WORLDWIDE: TECHNOLOGICAL SUPPORT IN
COMMISSIONING & START UP STAGE, TROUBLESHOOTING
AND REPAIR SERVICE, EQUIPMENT SELECTION, MAINTENANCE
AND OPERATION TRAINING..."





POYAM VALVES is located in Idiazabal, a town in the north of Spain, in an area with a deeply-rooted industrial tradition called THE BASQUE COUNTRY. Idiazabal is just 1 hour's drive away from BILBAO (International Airport) and at the following distances from other important places:





WWW.**POYAM**.COM



"POYAM IS THE WORLD'S LEADING
MANUFACTURER OF GENERAL SERVICE AND
CRYOGENIC SERVICE BALL, GATE, GLOBE
AND CHECK VALVES".







ATTENTION AND SERVICE

POYAM VALVES is the most efficient partnership at each stage of your project, we have more than 35 years' experience worldwide supplying high-tech, quality products and best service.

"IN TUNE WITH CUSTOMERS,
BECAUSE CUSTOMER SATISFACTION
IS POYAM SATISFACTION".



