

Butterfly Valves

IMPLEX® SYSTEM  PVC / PVC Ø63-315 mm
COMPACT SYSTEM  PPGF / PPFV Ø63-160 mm



Groep 3 - Butterfly valves

- NETVITC SYSTEM® Butterfly valves
- "BASIC" Ball valves
- Bidirectional "BASIC" Ball valves
- "Compact" valves
- "Semicompact" valves
- SYSTEM®, Check valves
- NETWELL®, Aspiration valves
- Lineal check valves
- Check (non return) valve with spring
- NET®, Air release valve
- Angle seat valves

Butterfly Valves

Main Features

- Measures from Ø63 to Ø315 with or without flanges.
- Eleven fluid regulation positions with catch system.
- One-piece body made by direct injection.
- Large calibre axis, maximum durability and work response.
- Safety groove on the whole body perimeter.
- Total watertightness by means of the perimeter watertight seal located in the butterfly.
- Reinforced butterfly with safety groove.
- Butterfly lashing system using either the clutch or the catch, according to the model.
- Ergonomic handle.

General Applications

-The wide valve range that we offer give the option to select the most appropriated in function of its use and the fluid to manipulate. (Irrigation, public works, swimming pools, industries).

Recommendations:

- Glue surplus from adaptors gluing action should be cleaned away in order to avoid damages or anomalies of the system.

Regulation:

- Its dimension and mounting measures allow its insertion within the inlet/outlet pipe according to regulation UNE-EN 1452 (PVC-U)

Pressure/Temperature:

- From 63 to 140 = PN 10 bar – 145 psi
- From 160 to 315 = PN 6 bar – 87 psi

Implex system Features

- Option in PPGF. Adaptable to adverse conditions.
- Measures from Ø63 to Ø315, with or without flanges.
- Opening and closing system by using either catch or clutch.
- Bichromated steel shaft. Option STAINLESS STEEL (304) and STAINLESS STEEL (316).
- Option VITON. Black handle.
- Measure of Ø250, double handle positioning.
- Its fixing orifices allow connecting to flanges with different regulations DIN 8063, ANSI 16.5, BS 10 table D/E, UNE-EN 1452 (PVC-U).

Butterfly Valves

Compact system Features

- Special valves system for industry.
- Dimensions from Ø90 to Ø160 mm.
- Ergonomic handle. Opening and closing by using trigger.
- Axis made of STAINLESS STEEL A-2. STAINLESS STEEL (A4) in option.
- Optional manual control and either electric or pneumatic automation.
- Better sturdiness to ensure superior resistance.
- Optional seal made of VITON. Black handle.
- Flanges and adaptors - conical models.

General Applications

Specifications / Spécifications	L35	H35	L55	H55	L85	H85	L140	H140	L300	H300
Voltage / Voltage	12-24 VAC/ VDC	85-240 VAC/VDC	12-24 VAC/ VDC	85-240 VAC/VDC	12-24 VAC/ VDC	85-240 VAC/VDC	12-24 VAC/ VDC	85-240 VAC/VDC	12-24 VAC/ VDC	85-240 VAC/VDC
Frequency (Hz) / Fréquence (Hz)	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60
Working time S/90° / Temps de travail S/90°	12	11	16	14	35	30	33	33	60	60
Startup torque (N-m) / Démarreur (N-m)	35	35	55	55	85	85	140	140	300	300
Working torque (N-m) / Couple de travail (N-m)	38	38	60	60	90	90	170	170	350	350
Time Under pressure (%) / Temps sous pression (%)	75	75	75	75	75	75	75	75	75	75
Protection IEC 60529 / Protection IEC 60529	IP-65	IP-65	IP-65	IP-65	IP-65	IP-65	IP-65	IP-65	IP-65	IP-65
Working angle (°) / Angle de travail (°)	90° - 180° - 270°									
Temperature (°C) / Température (°C)	-20°C +70°C									
Final switch / Interrupteur de fin de course	4 SPDT micro									
Heating resistance (W) / Résistance chauffante (W)	4									
Connectors / Connecteurs	DIN 43650 ISO 4400 & C192									
ISO 5211 Connection / Connexion ISO 5211	F-03 F-04 F-05		F-05 F-07	F-05 F-07	F-05 F-07	F-05 F-07	F-07 F-10	F-07 F-10	F-07 F-10	F-07 F-10
DIN 3337 Connection - Double frame standard/optional Connexion DIN 3337- Double cadre standard/optionnel	14 / 9 ∅ 11		17 / 14		17 / 14		17 / 14		22 / 17	
Weight (kg) / Poids (Kg)	1,9	1,9	2,4	2,4	3	3	5,2	5,2	5,2	5,2

- Multi-voltage electric actuators, rotating of 1/4" spin.
- Electronic control of the torque in order to obtain a soft functioning and to suspend power supply in case of the maximum torque is exceeded (obstructions), to protect the actuator mechanism.
- Visual control of the operation by means of an external LED, state indicator of the actuator.
- Manual emergency control, by selecting the manual functioning, the motor is isolated from the gears allowing to drive manually the valve.
- Automatic control of the temperature, by means of an internal heater the inner temperature is kept between 20 and 30° avoiding damages caused by condensation effect.
- Anti-corrosive materials for an optimal functioning within any environment.
- In option, digital positioner DPS 2005 for signals control 4-20 mA 0-10V.
- In option, safety closing by means of battery, BSR system.

PNEUMATICALLY OPERATED ACTUATORS ACTIONNEURS PNEUMATIQUES		DOUBLE ACTING DOUBLE EFFET		AIR PRESSURE 6 bar / WORKING TIME (sec) PRESSION 6 bar / TEMPS DE TRAVAIL (sec)	
MODEL MODELE	CONSUMPTION (liters/cycle) CONSOMMATION (liters/cycle)	ACTUATOR TORQUE COUPLE MOTEUR	ACTUATOR WEIGHT PODS ACTIONNEUR	OPENING OUVERTURE	CLOSING FERMETURE
H075 DE	0,61	72,7 Nm	2,9 Kg.	0,6	0,6
H085 DE	0,98	110,2 Nm	4,2 Kg.	0,6	0,8
H100 DE	1,8	173,3 Nm	5,8 Kg.	0,8	0,8
H115 DE	2,8	274,5 Nm	9,2 Kg.	0,8	1,2

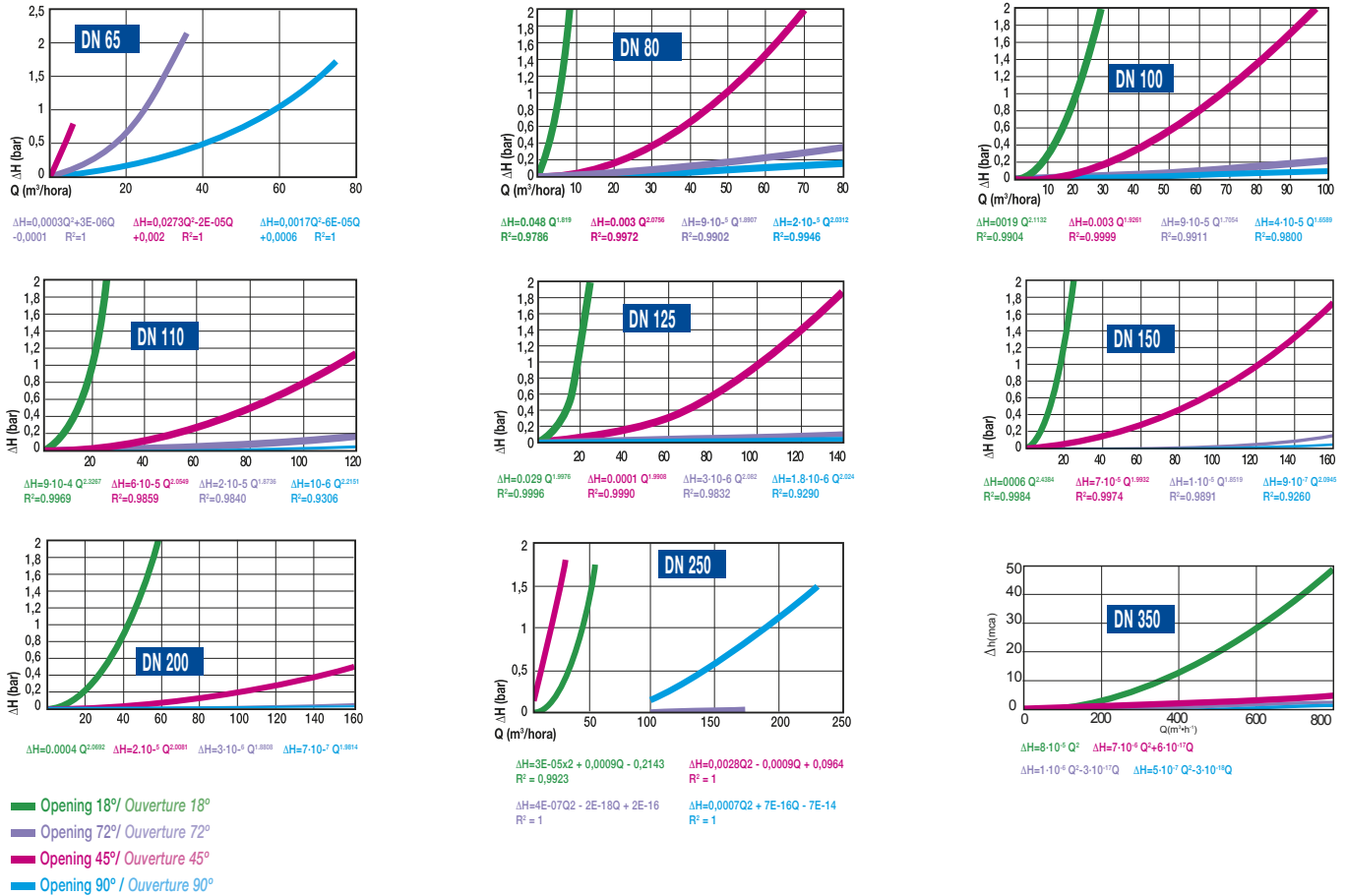
1 Cycle = Opening + closing 1 Cycle = ouverture + fermeture

PNEUMATICALLY OPERATED ACTUATORS ACTIONNEURS PNEUMATIQUES		SIMPLE ACTING SIMPLE EFFET		AIR PRESSURE 6 bar / WORKING TIME (sec) PRESSION 6 bar / TEMPS DE TRAVAIL (sec)				
MODEL MODELE	CONSUMPTION (liters/cycle) CONSOMMATION (liters/cycle)	SPRING TORQUE (Nm) COUPLE RESSORT (Nm)		POWER SUPPLY TORQUE (Nm) COUPLE ALIMENTATION (Nm)		WEIGHT (Kg) POIDS (Kg)	OPENING OUVERTURE	CLOSING FERMETURE
		0°	90°	0°	90°			
H075 SE	0,61	25	46	46,8	25,9	2,9	0,6	1
H100 SE	1,8	62,1	111,3	111,3	61,8	5,8	1	1,2
H115 SE	2,8	106,0	166,5	166,5	106,6	10,3	1,2	1,5
H125 SE	3,7	131,2	238,3	238,4	131,2	11,9	1,3	2

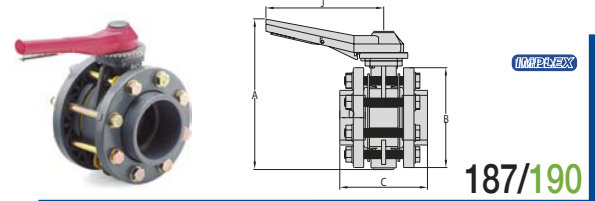
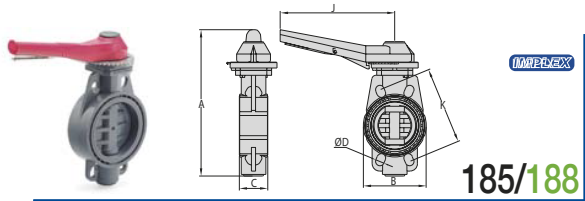
Consumption and par at pressure of 6 bars. 1 cycle = opening + closing
Consommation et par à une pression de 6 bars. 1 cycle = ouverture + fermeture

Butterfly Valves

Load loss: compact and implex® system valves



Butterfly valves IMPLEX® SYSTEM Systems bounded (product range)



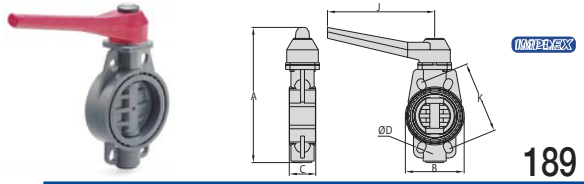
IMPLEX® Valve, trigger / Vanne IMPLEX®, gâchette

E _{PDM} CODE	V _{ITON} CODE	Ø (Pipe) Ø (Tuyau)	UNIT GROSS WEIGHT	A	B	C	D	K	J
09626	09805	63	1.395	264	136	50	18x4	125-145	235
09627	09806	75	1.395	264	136	50	18x4	125-145	235
09628	09807	90	2.060	288	130	57	18x8	146-160	235
09629	09808	110	2.320	308	152	60	18x8	178-190	235
09630	09809	125	2.625	344	170	62	18x8	190	270
09631	09810	140	2.950	364	187	65	18x8	210-216	270
09632	09811	160	3.780	386	214	69	22x8	235-241	270
09633	09812	200/225	5.620	460	270	71	22x8	292-298	270
09634	09813	250	9.982	570	321	108	22x12	350-362	415
09635	09223	315	22.000	695	370	131	22x12	400-425	240

IMPLEX® butterfly valve, trigger/flanges Vanne papillon IMPLEX®, gâchette/brides

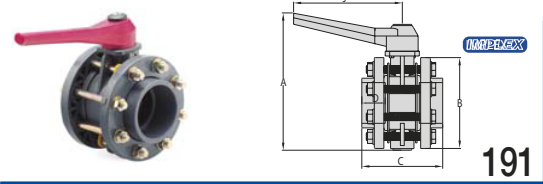
E _{PDM} CODE	V _{ITON} CODE	Ø (Pipe) Ø (Tuyau)	UNIT GROSS WEIGHT	A	B	C	D	J
09640	09815	63	4.950	264	161	143	36	235
09641	09816	75	5.198	264	186	162	44	235
09642	09817	90	6.224	288	200	191	52	235
09643	09818	110	7.340	308	220	202	61	235
09644	09819	125	8.167	344	230	224	70	270
09645	09820	140	9.227	364	250	243	78	270
09646	09821	160	13.839	386	285	255	86	270
09647	09822	200	17.925	460	270	311	106	270
09648	09823	225	19.890	460	270	311	127	270
09649	09824	250	21.235	570	321	363	131	415

Butterfly Valves



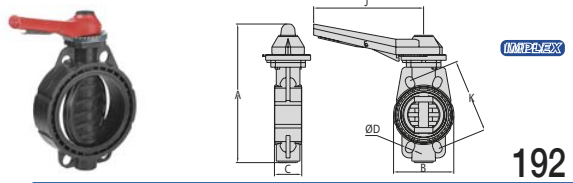
IMPLEX® Valve clutch EPDM / Vanne IMPLEX® embrayage EPDM

EPDM CODE	Ø (Pipe) Ø (Tuyau)	UNIT GROSS WEIGHT	A	B	C	D	K	J
09030	90	1.818	288	130	57	18x8	146-160	272
09031	110	2.028	308	152	60	18x8	178-190	272
09032	125	2.481	344	170	62	18x8	190	272
09033	140	2.889	364	187	65	18x8	210-216	272
09034	160	3.450	386	214	69	22x8	235-241	272
09035	200/225	6.015	460	270	71	22x8	292-298	317



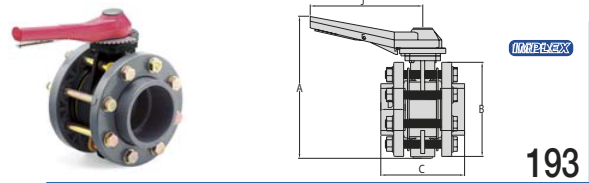
IMPLEX® Valve w/flange / Vanne IMPLEX® brides

EPDM CODE	Ø (Pipe) Ø (Tuyau)	UNIT GROSS WEIGHT	A	B	C	D	J
09043	75	5.998	288	200	191	44	272
09044	90	6.024	288	200	191	52	272
09045	110	7.140	308	220	202	61	272
09046	125	7.967	344	230	224	70	272
09047	140	9.027	364	250	243	78	272
09048	160	13.369	386	285	255	86	272
09049	200	17.490	460	270	311	106	317
09050	225	19.450	460	270	311	127	317



IMPLEX® Valve catch PPGF / Vanne IMPLEX® gâchette PPFV

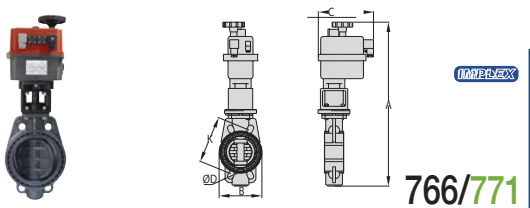
CODE	Ø (Pipe) Ø (Tuyau)	UNIT GROSS WEIGHT	A	B	C	D	K	J
09705	63	1.116	264	136	50	18x4	125-145	235
09706	75	1.116	264	136	50	18x4	125-145	235
09707	90	1.648	288	130	57	18x8	146-160	235
09708	110	1.856	308	152	60	18x8	178-190	235
09709	125	2.100	344	170	62	18x8	190	270
09710	140	2.360	364	187	65	18x8	210-216	270
09711	160	3.024	386	214	69	22x8	235-241	270



IMPLEX® Valve catch w/flanges PPGF / Vanne IMPLEX® gâchette/brides PPFV

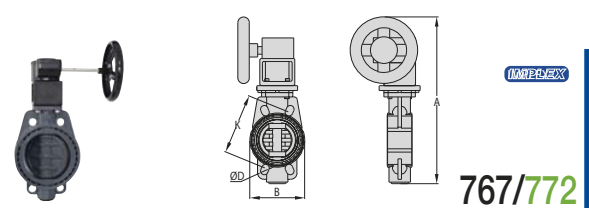
CODE	Ø (Pipe) Ø (Tuyau)	UNIT GROSS WEIGHT	A	B	C	D	J
09725	63	4.702	264	161	143	36	235
09726	75	4.938	264	186	162	44	235
09727	90	5.912	288	200	191	52	235
09728	110	6.973	308	220	202	61	235
09729	125	7.758	344	230	224	70	270
09730	140	8.765	364	250	243	78	270
09731	160	13.147	386	285	255	86	270

Motorized valves



PVC IMPLEX® Valve 220V electric motor /
Vanne IMPLEX® PVC. Moteur électrique, 220V

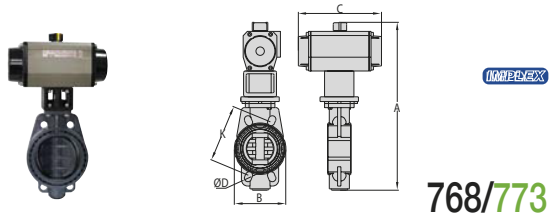
EPDM CODE	VITON CODE	Ø (Pipe) Ø (Tuyau)	UNIT GROSS WEIGHT	MOTOR MOTEUR	A	B	C	D	K
09099	09149	63	2.695	H-35	428	136	172	18x4	125-145
09100	09150	75	2.695	H-35	428	136	172	18x4	125-145
09862	09429	90	4.086	H-55	477	130	172	18x8	146-160
09863	09430	110	4.404	H-55	497	152	172	18x8	178-190
09864	09431	125	6.030	H-85	515	170	235	18x8	190
09865	09432	140	8.636	H-140	583	187	235	18x8	210-216
09866	09433	160	9.758	H-140	605	214	235	22x8	235-241
09106	09156	200/225	10.820	H-140	679	270	235	22x8	292-298
09107	09157	250	15.182	H-300	755	321	235	22x12	350-362
09108	09158	315	27.200	H-300	790	370	235	22x12	400-425



Manual reducer / Réducteur manuel

EPDM CODE	VITON CODE	Ø (Pipe) Ø (Tuyau)	UNIT GROSS WEIGHT	A	B	C	D	K
09199	09214	63	3.145	362	136	172	18x4	125-145
09200	09215	75	3.145	362	136	172	18x4	125-145
09893	09434	90	3.810	386	130	172	18x8	146-160
09894	09435	110	4.070	406	152	172	18x8	178-190
09895	09436	125	4.375	417	170	235	18x8	190
09896	09437	140	4.700	488	187	235	18x8	210-216
09897	09438	160	5.530	510	214	235	22x8	235-241
09206	09221	200/225	7.330	584	270	235	22x8	292-298
09207	09222	250	14.550	610	321	235	22x12	350-362
09208	09223	315	22.000	695	370	235	22x12	400-425

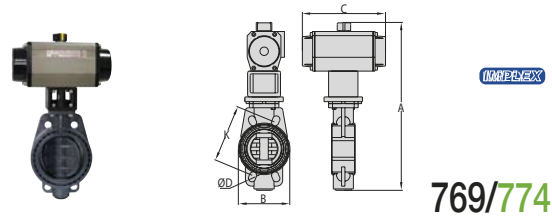
Butterfly Valves



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Pneumatically operated IMPLEX® Valve, single acting
Vanne IMPLEX® avec actionneur pneumatique, simple effet

EPDM CODE	VITON CODE	Ø (Pipe) Ø (Tuyau)	UNIT GROSS WEIGHT	MOTOR MOTEUR	A	B	C	D	K
09109	09159	63	4.295	H075SE	376	136	210	18x4	125-145
09110	09160	75	4.295	H075SE	376	136	210	18x4	125-145
09873	09439	90	5.186	H075SE	400	130	210	18x8	146-160
09874	09440	110	8.404	H100SE	420	152	290	18x8	178-190
09875	09441	125	8.832	H100SE	431	170	290	18x8	190
09876	09442	140	12.636	H115SE	500	187	310	18x8	210-216
09877	09443	160	13.758	H115SE	522	214	310	22x8	235-241
09116	09166	200/225	17.520	H125SE	596	270	362	22x8	292-298
09117	09167	250	21.882	H125SE	596	321	362	22x12	350-362
09118	09168	315	31.500	H125SE	770	370	362	22x12	400-425

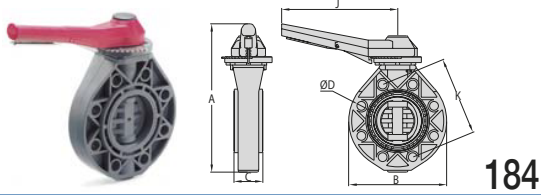


769/774

Pneumatically operated IMPLEX® Valve, double acting
Vanne IMPLEX® avec actionneur pneumatique, double effet

EPDM CODE	VITON CODE	Ø (Pipe) Ø (Tuyau)	UNIT GROSS WEIGHT	MOTOR MOTEUR	A	B	C	D	K
09119	09169	63	4.295	H075DE	376	136	210	18x4	125-145
09120	09170	75	4.295	H075DE	376	136	210	18x4	125-145
09179	09444	90	5.186	H075DE	400	130	210	18x8	146-160
09180	09445	110	5.504	H075DE	420	152	290	18x8	178-190
09181	09446	125	5.932	H075DE	431	170	290	18x8	190
09182	09447	140	7.636	H085DE	500	187	310	18x8	210-216
09183	09448	160	8.758	H085DE	522	214	310	22x8	235-241
09126	09176	200/225	14.820	H100DE	596	270	362	22x8	292-298
09127	09177	250	19.182	H115DE	596	321	362	22x12	350-362
09128	09178	315	31.500	H115DE	770	370	362	22x12	400-425

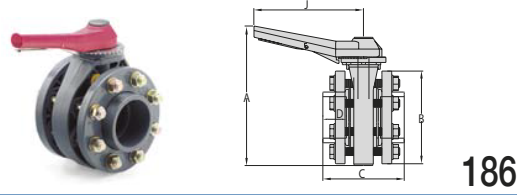
Compact system - Systems bounded (product range)



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COMPACT valve, catch / Vanne COMPACT, gâchette

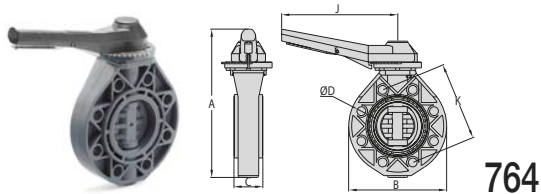
CODE CODE	Ø (Pipe) Ø (Tuyau)	UNIT GROSS WEIGHT	A	B	C	D	K	J
09603	90	2.286	290	200	56	18x8	160	235
09604	110	2.604	308	220	56	18x8	180	235
09605	125	3.032	344	230	53	18x8	190	270
09606	140	3.436	364	251	60	18x8	210	270
09607	160	4.558	386	285	69	22x8	240	270



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COMPACT valve, catch w/flanges
Vanne COMPACT, gâchette/brides

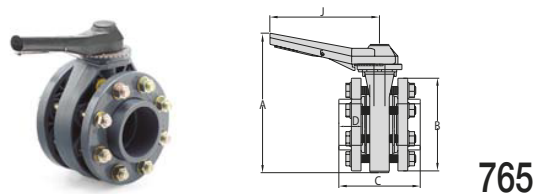
CODE CODE	Ø (Pipe) Ø (Tuyau)	UNIT GROSS WEIGHT	A	B	C	D	J
09615	90	6.758	290	200	193	52	235
09616	110	7.588	308	220	199	61	235
09617	125	8.580	344	230	221	70	270
09618	140	9.982	364	251	239	78	270
09619	160	14.372	386	285	270	86	270



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COMPACT valve, catch / Vanne COMPACT, gâchette

VITON CODE	Ø (Pipe) Ø (Tuyau)	UNIT GROSS WEIGHT	A	B	C	D	K	J
09653	90	2.286	290	200	56	18x8	160	235
09654	110	2.604	308	220	56	18x8	180	235
09655	125	3.032	344	230	53	18x8	190	270
09656	140	3.436	364	251	60	18x8	210	270
09657	160	4.558	386	285	69	22x8	240	270

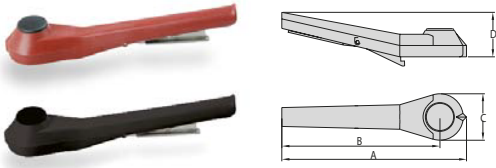


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COMPACT valve, catch w/flanges
Vanne COMPACT, gâchette/brides

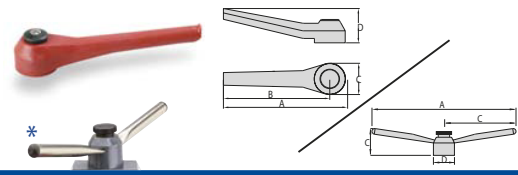
VITON CODE	Ø (Pipe) Ø (Tuyau)	UNIT GROSS WEIGHT	A	B	C	D	J
09660	90	6.758	290	200	193	52	235
09661	110	7.588	308	220	199	61	235
09662	125	8.580	344	230	221	70	270
09663	140	9.982	364	251	239	78	270

Butterfly Valves



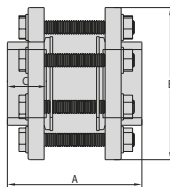
Catch handle / Poignée gâchette

CODE CODE	Ø (Pipe) Ø (Tuyau)	UNIT GROSS WEIGHT	A	B	C	D
09904	63-75	336	275	235	70	75
09905	90-110	347	275	235	70	75
09906	125-160	370	310	270	70	85
09908	200-225	554	310	270	70	85
09908	250	745	457	420	74	100



Clutch handle / Poignée embrayage

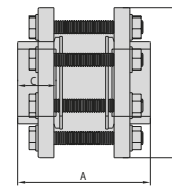
CODE CODE	Ø (Pipe) Ø (Tuyau)	UNIT GROSS WEIGHT	A	B	C	D
09902	90-110	260	307	272	70	80
09903	125-160	375	352	317	70	90
* 09904	200-225	835	476	238	72	83



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Plain flange set / Raccord bride plate

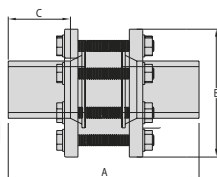
CODE CODE	Ø (Pipe) Ø (Tuyau)	UNIT GROSS WEIGHT	A	B	C	HOLES TROURS
10261	63	3.550	87	165	38	18x4
10262	75	3.650	97	185	44	18x4
10263	90	3.985	115	200	51	18x8
10264	110	4.904	136	220	60	18x8
10265	125	5.256	152	230	69	18x8
10266	140	6.131	166	250	76	18x8
10267	160	8.875	186	285	86	22x8
10268	200	12.845	242	340	106	22x8
10269	225	12.283	255	340	127	22x8
10270	250	18.125	284	399	131	22x12
10271	315	24.243	351	450	164	22x12



196

Imperial flange set / Imperial flange set

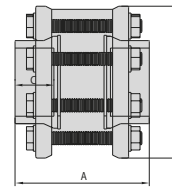
CODE CODE	Ø (Pipe) Ø (Tuyau)	UNIT GROSS WEIGHT	A	B	C	HOLES TROURS
10456	2"	3.550	87	165	38	18x4
10457	2 1/2"	3.650	97	185	44	18x4
10458	3"	3.985	115	200	51	18x8
10459	4"	4.904	136	220	60	18x8
10460	5"	5.256	152	230	69	18x8
10461	6"	8.875	186	285	86	22x8
10462	8"	12.283	242	340	106	22x8



432

PE flange set / Raccord bride plat PE

CODE CODE	Ø (Pipe) Ø (Tuyau)	UNIT GROSS WEIGHT	A	B	C	HOLES TROURS
10776	63	7.100	248	165	89	18x4
10777	75	7.300	252	185	91	18x4
10778	90	7.970	277	200	100	18x8
10779	110	9.808	284	220	102	18x8
10780	125	10.320	352	230	135	18x8
10781	140	13.525	335	250	125	18x8
10782	160	17.750	333	285	122	22x8
10783	200	24.566	355	340	132	22x8
10784	225	27.235	368	340	136	22x8
10785	250	29.446	473	399	180	22x12
10786	315	31.420	581	450	210	22x12



195

Conical flange set / Raccord bride conique

CODE CODE	Ø (Pipe) Ø (Tuyau)	UNIT GROSS WEIGHT	A	B	C	HOLES TROURS
10106	90	3.985	115	200	51	18x8
10264	110	4.904	136	220	60	18x8
10265	125	5.256	152	230	69	18x8
10266	140	6.131	166	250	76	18x8
10267	160	8.875	186	285	86	22x8



THE NEW PROTECTIVE CAP provides an optimal protection against aggressive environments and the sunlight action, improving the durability of metallic parts and making easier maintenance operations.