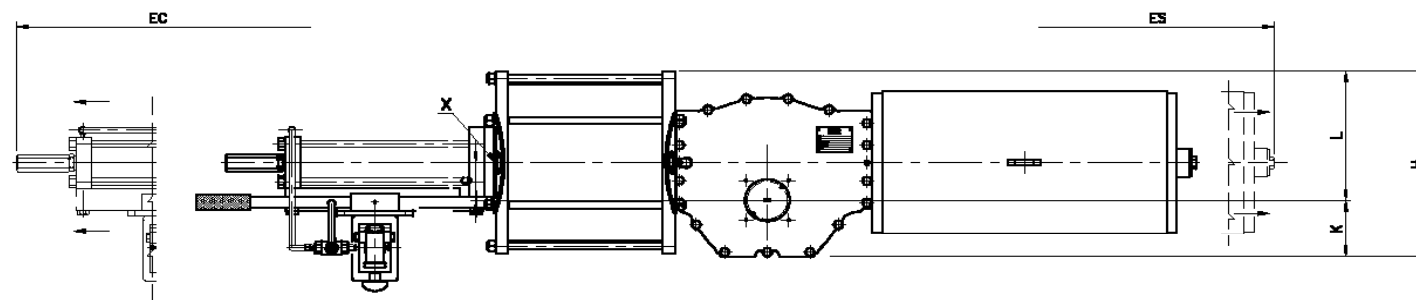
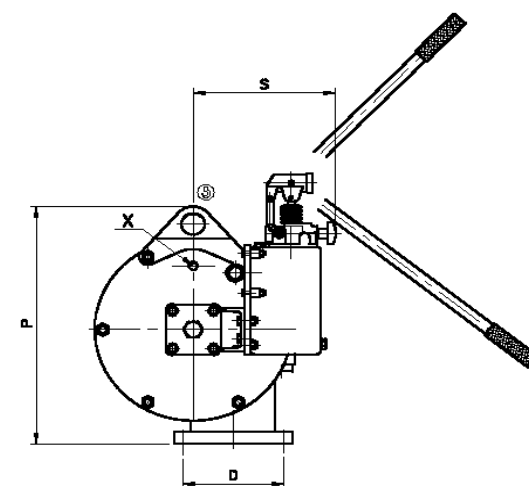
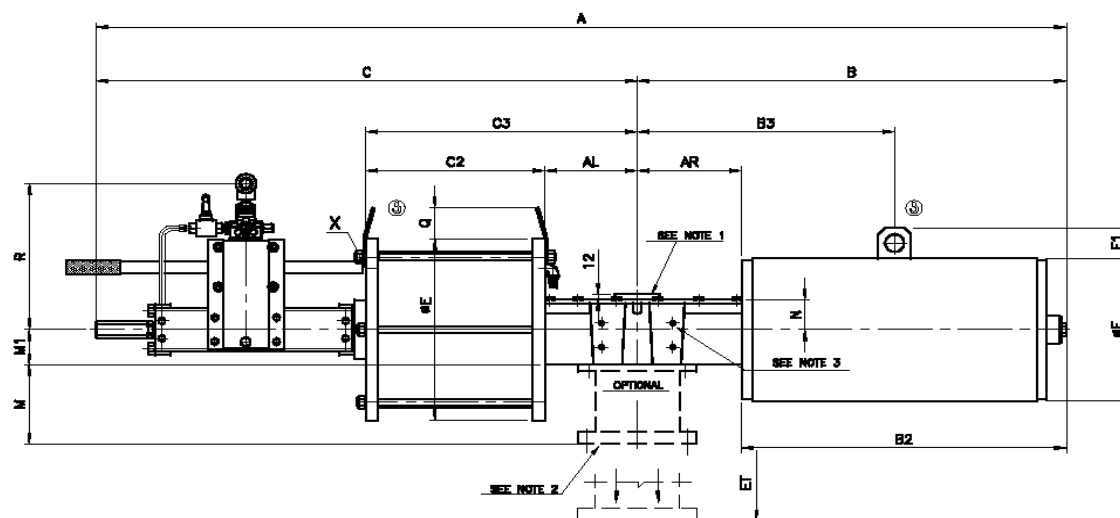


- Ⓢ LIFTING POINT ACTUATOR ONLY
 D ACCORDING TO VALVE FLANGE
 X PNEUMATIC CONNECTION
 NOTE 3 CONTROL PANEL INTERFACE ACCORDING TO : DWG. GD00198-040
 NOTE 2 COUPLING ACTUATOR INTERFACE ACCORDING TO : DWG. GD00198-030
 NOTE 1 MICROSWITCHES GROUP INTERFACE ACCORDING TO : DWG. GD00220

All dimensions are in mm

rotork
 fluid systems

SINGLE ACTING PNEUMATIC ACTUATOR
 FAIL TO OPEN c/w HPA
 OVERALL DIMENSIONS

02	16.04.08	BERNINI	BARISOTTI
01	25.10.05	BERNINI	BARISOTTI
00	05.12.00	FERDENZI	PISARONI
rev.	date	drawn	check
OGPAH00ADC			

REPORTED ARE MAXIMUM DIMENSIONS - IT WILL BE CARE OF R.F.S. TO INFORM YOU IN CASE OF ANY DIMENSIONAL INCREASE

GP RANGE METRIC DIMENSION DATA
- SPRING RETURN FAIL OPEN + MANUAL OVERRIDE HPA - OGPAA00ADC REV.2

ACTUATOR MODEL		ACTUATOR OVERALL DIMENSIONS (mm)																		CARTER		SPOOL * (OPTIONAL)		LIFTING POINT		CLEARANCE FOR DISASSEMBLY		DISPLACEMENT (LITRES)		X	weight	CENTER GRAVITY			
		A	B	C	B2	C2	ØE	F	F1	G	H	K	L	N	P	Q	R	S	AL	AR	M1	M (Weight)	B3	C3	ES	EC	ET	Simmetric	Canted	(NPT)	(Kg)	XG	ZG	YG	
GP 065 - CARTER CARBON STEEL - FLANGE TYPE ISO F25	GP-065*-180*/O1 HPA	1952	864	1088	672.5	353	240	273	70	65	330	145	185	70	370	80	350	305	165	190	80	90	14	468	519	260	127	140	4.20	4.27	1/4"	209	-27.9	73.0	54.4
	GP-065*-235*/O1 HPA	1957	864	1093	672.5	358	310	273	70	65	365	145	220	70	405	80	350	305	165	190	80	90	14	468	524	260	127	140	7.15	7.28	1/2"	240	23.6	73.0	56.0
	GP-065*-280*/O1 HPA	1967	864	1103	672.5	368	355	273	70	65	388	145	243	70	478	80	350	305	165	190	80	140	18	468	534	260	127	140	10.16	10.34	1/2"	266	60.4	73.0	57.0
	GP-065*-335*/O1 HPA	1977	864	1113	672.5	378	415	273	70	65	418	145	273	70	498	70	350	305	165	190	80	140	18	468	544	260	127	140	14.52	14.78	1/2"	311	112.6	73.0	58.4
	GP-065*-385*/O1 HPA	1980	864	1116	672.5	381	465	273	70	65	443	145	298	70	583	80	350	305	165	190	80	190	25	468	547	260	127	140	19.21	19.56	1"	348	143.8	73.0	59.1
	GP-065*-435*/O1 HPA	1985	864	1121	672.5	386	515	273	70	65	468	145	323	70	608	80	350	305	165	190	80	190	25	468	552	260	127	140	24.50	24.95	1"	394	174.5	73.0	59.9
	GP-065*-485*/O1 HPA	1990	864	1126	672.5	391	570	273	70	65	495	145	350	70	665	80	350	305	165	190	80	220	32	468	557	260	127	140	30.47	31.02	1"	449	203.1	73.0	60.6
	GP-065*-180*/O2 HPA	1952	864	1088	672.5	353	240	273	70	65	330	145	185	70	370	80	350	305	165	190	80	90	14	468	519	260	127	140	4.20	4.27	1/4"	218	-48.5	73.0	54.9
	GP-065*-235*/O2 HPA	1957	864	1093	672.5	358	310	273	70	65	365	145	220	70	405	80	350	305	165	190	80	90	14	468	524	260	127	140	7.15	7.28	1/2"	249	3.8	73.0	56.4
	GP-065*-280*/O2 HPA	1967	864	1103	672.5	368	355	273	70	65	388	145	243	70	478	80	350	305	165	190	80	140	18	468	534	260	127	140	10.16	10.34	1/2"	275	41.2	73.0	57.3
	GP-065*-335*/O2 HPA	1977	864	1113	672.5	378	415	273	70	65	418	145	273	70	498	70	350	305	165	190	80	140	18	468	544	260	127	140	14.52	14.78	1/2"	320	94.6	73.0	58.6
	GP-065*-385*/O2 HPA	1980	864	1116	672.5	381	465	273	70	65	443	145	298	70	583	80	350	305	165	190	80	190	25	468	547	260	127	140	19.21	19.56	1"	357	126.9	73.0	59.3
	GP-065*-435*/O2 HPA	1985	864	1121	672.5	386	515	273	70	65	468	145	323	70	608	80	350	305	165	190	80	190	25	468	552	260	127	140	24.50	24.95	1"	403	158.9	73.0	60.0
	GP-065*-485*/O2 HPA	1990	864	1126	672.5	391	570	273	70	65	495	145	350	70	665	80	350	305	165	190	80	220	32	468	557	260	127	140	30.47	31.02	1"	458	188.8	73.0	60.7
	GP-065*-180*/O3 HPA	1895	807	1088	615.5	353	240	323.9	70	65	330	145	185	70	370	80	350	305	165	190	80	90	14	487	519	260	127	140	4.20	4.27	1/4"	269	-124.6	73.0	57.1
	GP-065*-235*/O3 HPA	1900	807	1093	615.5	358	310	323.9	70	65	365	145	220	70	405	80	350	305	165	190	80	90	14	487	524	260	127	140	7.15	7.28	1/2"	300	-73.4	73.0	58.1
	GP-065*-280*/O3 HPA	1910	807	1103	615.5	368	355	323.9	70	65	388	145	243	70	478	80	350	305	165	190	80	140	18	487	534	260	127	140	10.16	10.34	1/2"	326	-35.7	73.0	58.7
	GP-065*-335*/O3 HPA	1920	807	1113	615.5	378	415	323.9	70	65	418	145	273	70	498	70	350	305	165	190	80	140	18	487	544	260	127	140	14.52	14.78	1/2"	371	19.7	73.0	59.5
	GP-065*-385*/O3 HPA	1923	807	1116	615.5	381	465	323.9	70	65	443	145	298	70	583	80	350	305	165	190	80	190	25	487	547	260	127	140	19.21	19.56	1"	408	54.8	73.0	60.1
	GP-065*-435*/O3 HPA	1928	807	1121	615.5	386	515	323.9	70	65	468	145	323	70	608	80	350	305	165	190	80	190	25	487	552	260	127	140	24.50	24.95	1"	454	90.5	73.0	60.6
	GP-065*-485*/O3 HPA	1933	807	1126	615.5	391	570	323.9	70	65	495	145	350	70	665	80	350	305	165	190	80	220	32	487	557	260	127	140	30.47	31.02	1"	509	124.8	73.0	61.1
	GP-065*-180*/O4 HPA	1866	778	1088	586.5	353	240	323.9	70	65	330	145	185	70	370	80	350	305	165	190	80	90	14	473	519	260	127	140	4.20	4.27	1/4"	268	-115.9	73.0	57.1
	GP-065*-235*/O4 HPA	1871	778	1093	586.5	358	310	323.9	70	65	365	145	220	70	405	80	350	305	165	190	80	90	14	473	524	260	127	140	7.15	7.28	1/2"	299	-65.4	73.0	58.0
	GP-065*-280*/O4 HPA	1881	778	1103	586.5	368	355	323.9	70	65	388	145	243	70	478	80	350	305	165	190	80	140	18	473	534	260	127	140	10.16	10.34	1/2"	325	-28.2	73.0	58.7
	GP-065*-335*/O4 HPA	1891	778	1113	586.5	378	415	323.9	70	65	418	145	273	70	498	70	350	305	165	190	80	140	18	473	544	260	127	140	14.52	14.78	1/2"	370	26.4	73.0	59.5
	GP-065*-385*/O4 HPA	1894	778	1116	586.5	381	465	323.9	70	65	443	145	298	70	583	80	350	305	165	190	80	190	25	473	547	260	127	140	19.21	19.56	1"	407	60.9	73.0	60.1
	GP-065*-435*/O4 HPA	1899	778	1121	586.5	386	515	323.9	70	65	468	145	323	70	608	80	350	305	165	190	80	190	25	473	552	260	127	140	24.50	24.95	1"	453	96.1	73.0	60.6
	GP-065*-485*/O4 HPA	1904	778	1126	586.5	391	570	323.9	70	65	495	145	350	70	665	80	350	305	165	190	80	220	32	473	557	260	127	140	30.47	31.02	1"	508	129.8	73.0	61.1

GP RANGE METRIC DIMENSION DATA
- SPRING RETURN FAIL OPEN + MANUAL OVERRIDE HPA - OGPAPH00ADC REV.2

ACTUATOR MODEL		ACTUATOR OVERALL DIMENSIONS (mm)																CARTER		SPOOL * (OPTIONAL)			LIFTING POINT		CLEARANCE FOR DISASSEMBLY			DISPLACEMENT (LITRES)		X	weight	CENTER GRAVITY			
		A	B	C	B2	C2	ØE	F	F1	G	H	K	L	N	P	Q	R	S	AL	AR	M1	M	Weight	B3	C3	ES	EC	ET	Simmetric	Canted	(NPT)	(Kg)	XG	ZG	YG
GP 085 - CARTER CAST IRON - FLANGE TYPE ISO F25	GP-085-180/O1 HPA	2012	894	1118	673	353	240	273	70	85	335	130	205	70	370	80	350	305	195	220	80	90	14	498	549	305	147	140	5.47	5.60	1/4"	239	-24.9	74.0	70.6
	GP-085-235/O1 HPA	2017	894	1123	673	358	310	273	70	85	370	130	240	70	405	80	350	305	195	220	80	90	14	498	554	305	147	140	9.32	9.54	1/2"	270	24.0	74.0	72.5
	GP-085-280/O1 HPA	2027	894	1133	673	368	355	273	70	85	393	130	263	70	478	80	350	305	195	220	80	140	18	498	564	305	147	140	13.23	13.54	1/2"	296	59.7	74.0	73.8
	GP-085-335/O1 HPA	2037	894	1143	673	378	415	273	70	85	423	130	293	70	498	70	350	305	195	220	80	140	18	498	574	305	147	140	18.92	19.36	1/2"	341	111.3	74.0	75.5
	GP-085-385/O1 HPA	2040	894	1146	673	381	465	273	70	85	448	130	318	70	583	80	350	305	195	220	80	190	25	498	577	305	147	140	25.03	25.61	1"	378	143.1	74.0	76.5
	GP-085-435/O1 HPA	2045	894	1151	673	386	515	273	70	85	473	130	343	70	608	80	350	305	195	220	80	190	25	498	582	305	147	140	31.93	32.67	1"	424	175.0	74.0	77.5
	GP-085-485/O1 HPA	2050	894	1156	673	391	570	273	70	85	500	130	370	70	665	80	350	305	195	220	80	220	32	498	587	305	147	140	39.70	40.62	1"	479	205.2	74.0	78.4
	GP-085-535/O1 HPA	2055	894	1161	673	396	620	273	70	85	525	130	395	70	720	80	350	305	195	220	80	250	40	498	592	305	147	140	48.76	49.50	3/4"	528	228.6	74.0	79.1
	GP-085-180/O2 HPA	2012	894	1118	673	353	240	273	70	85	335	130	205	70	370	80	350	305	195	220	80	90	14	498	549	305	147	140	5.47	5.60	1/4"	248	-44.2	74.0	71.2
	GP-085-235/O2 HPA	2017	894	1123	673	358	310	273	70	85	370	130	240	70	405	80	350	305	195	220	80	90	14	498	554	305	147	140	9.32	9.54	1/2"	279	5.3	74.0	73.0
	GP-085-280/O2 HPA	2027	894	1133	673	368	355	273	70	85	393	130	263	70	478	80	350	305	195	220	80	140	18	498	564	305	147	140	13.23	13.54	1/2"	305	41.5	74.0	74.2
	GP-085-335/O2 HPA	2037	894	1143	673	378	415	273	70	85	423	130	293	70	498	70	350	305	195	220	80	140	18	498	574	305	147	140	18.92	19.36	1/2"	350	94.1	74.0	75.7
	GP-085-385/O2 HPA	2040	894	1146	673	381	465	273	70	85	448	130	318	70	583	80	350	305	195	220	80	190	25	498	577	305	147	140	25.03	25.61	1"	387	126.8	74.0	76.7
	GP-085-435/O2 HPA	2045	894	1151	673	386	515	273	70	85	473	130	343	70	608	80	350	305	195	220	80	190	25	498	582	305	147	140	31.93	32.67	1"	433	159.8	74.0	77.7
	GP-085-485/O2 HPA	2050	894	1156	673	391	570	273	70	85	500	130	370	70	665	80	350	305	195	220	80	220	32	498	587	305	147	140	39.70	40.62	1"	488	191.1	74.0	78.6
	GP-085-535/O2 HPA	2055	894	1161	673	396	620	273	70	85	525	130	395	70	720	80	350	305	195	220	80	250	40	498	592	305	147	140	48.76	49.50	3/4"	537	215.5	74.0	79.2
	GP-085-180/O3 HPA	2025	907	1118	686	353	240	323.9	70	85	335	130	205	70	370	80	350	305	195	220	80	90	14	544	549	305	147	140	5.47	5.60	1/4"	303	-140.1	74.0	74.1
	GP-085-235/O3 HPA	2030	907	1123	686	358	310	323.9	70	85	370	130	240	70	405	80	350	305	195	220	80	90	14	544	554	305	147	140	9.32	9.54	1/2"	334	-89.9	74.0	75.2
	GP-085-280/O3 HPA	2040	907	1133	686	368	355	323.9	70	85	393	130	263	70	478	80	350	305	195	220	80	140	18	544	564	305	147	140	13.23	13.54	1/2"	360	-52.4	74.0	76.0
	GP-085-335/O3 HPA	2050	907	1143	686	378	415	323.9	70	85	423	130	293	70	498	70	350	305	195	220	80	140	18	544	574	305	147	140	18.92	19.36	1/2"	405	3.5	74.0	77.1
	GP-085-385/O3 HPA	2053	907	1146	686	381	465	323.9	70	85	448	130	318	70	583	80	350	305	195	220	80	190	25	544	577	305	147	140	25.03	25.61	1"	442	39.8	74.0	77.8
	GP-085-435/O3 HPA	2058	907	1151	686	386	515	323.9	70	85	473	130	343	70	608	80	350	305	195	220	80	190	25	544	582	305	147	140	31.93	32.67	1"	488	77.2	74.0	78.6
	GP-085-485/O3 HPA	2063	907	1156	686	391	570	323.9	70	85	500	130	370	70	665	80	350	305	195	220	80	220	32	544	587	305	147	140	39.70	40.62	1"	543	113.7	74.0	79.3
	GP-085-535/O3 HPA	2068	907	1161	686	396	620	323.9	70	85	525	130	395	70	720	80	350	305	195	220	80	250	40	544	592	305	147	140	48.76	49.50	3/4"	592	142.2	74.0	79.8
	GP-085-180/O4 HPA	2025	907	1118	686	353	240	323.9	70	85	335	130	205	70	370	80	350	305	195	220	80	90	14	530	549	305	147	140	5.47	5.60	1/4"	283	-110.3	74.0	73.2
	GP-085-235/O4 HPA	2030	907	1123	686	358	310	323.9	70	85	370	130	240	70	405	80	350	305	195	220	80	90	14	530	554	305	147	140	9.32	9.54	1/2"	314	-59.8	74.0	74.5
	GP-085-280/O4 HPA	2040	907	1133	686	368	355	323.9	70	85	393	130	263	70	478	80	350	305	195	220	80	140	18	530	564	305	147	140	13.23	13.54	1/2"	340	-22.3	74.0	75.4
	GP-085-335/O4 HPA	2050	907	1143	686	378	415	323.9	70	85	423	130	293	70	498	70	350	305	195	220	80	140	18	530	574	305	147	140	18.92	19.36	1/2"	385	32.9	74.0	76.7
	GP-085-385/O4 HPA	2053	907	1146	686	381	465	323.9	70	85	448	130	318	70	583	80	350	305	195	220	80	190	25	530	577	305	147	140	25.03	25.61	1"	422	69.3	74.0	77.5
	GP-085-435/O4 HPA	2058	907	1151	686	386	515	323.9	70	85	473	130	343	70	608	80	350	305	195	220	80	190	25	530	582	305	147	140	31.93	32.67	1"	468	104.6	74.0	78.3
	GP-085-485/O4 HPA	2063	907	1156	686	391	570	323.9	70	85	500	130	370	70	665	80	350	305	195	220	80	220	32	530	587	305	147	140	39.70	40.62	1"	523	139.6	74.0	79.0
	GP-085-535/O4 HPA	2068	907	1161	686	396	620	323.9	70	85	525	130	395	70	720	80	350	305	195	220	80	250	40	530	592	305	147	140	48.76	49.50	3/4"	572	166.9	74.0	79.6
	GP-085-180/O5 HPA	2025	907	1118	686	353	240	323.9	70	85	335	130	205	70	370	80	350	305	195	220	80	90	14	521	549	305	147	140	5.47	5.60	1/4"	313	-153.7	74.0	74.5
	GP-085-235/O5 HPA	2030	907	1123	686	358	310	323.9	70	85	370	130	240	70	405	80	350	305	195	220	80	90	14	521	554	305	147	140	9.32	9.54	1/2"	344	-103.7	74.0	75.6
	GP-085-280/O5 HPA	2040	907	1133	686	368	355	323.																											

GP RANGE METRIC DIMENSION DATA
- SPRING RETURN FAIL OPEN + MANUAL OVERRIDE HPA - OGPAPH00ADC REV.2

ACTUATOR MODEL		ACTUATOR OVERALL DIMENSIONS (mm)																CARTER		SPOOL * (OPTIONAL)		LIFTING POINT		CLEARANCE FOR DISASSEMBLY			DISPLACEMENT (LITRES)		X	weight	CENTER GRAVITY				
		A	B	C	B2	C2	ØE	F	F1	G	H	K	L	N	P	Q	R	S	AL	AR	M1	M	Weight	B3	C3	ES	EC	ET	Simmetric	Canted	(NPT)	(Kg)	XG	ZG	YG
GP 130 - CARTER CARBON STEEL - FLANGE TYPE ISO F30	GP-130°-335°/O3 HPA	3362	1823	1539	1522	515	415	406.4	100	130	548	210	338	84	520	70	350	355	265	300	102	140	48	1052	781	415	200	176	28.95	29.57	1/2"	820	-426.7	91.3	118.1
	GP-130°-385°/O3 HPA	3362	1823	1539	1522	515	465	406.4	100	130	573	210	363	84	605	80	350	355	265	300	102	190	60	1052	781	415	200	176	38.30	39.11	1"	860	-377.8	91.3	118.7
	GP-130°-435°/O3 HPA	3367	1823	1544	1522	520	515	406.4	100	130	598	210	388	84	670	120	350	355	265	300	102	190	60	1052	786	415	200	176	48.86	49.90	1"	899	-337.6	91.3	119.3
	GP-130°-485°/O3 HPA	3372	1823	1549	1522	525	570	406.4	100	130	625	210	415	84	742	115	350	355	265	300	102	240	69	1052	791	415	200	176	60.75	62.04	1"	962	-275.3	91.3	120.0
	GP-130°-535°/O3 HPA	3372	1823	1549	1522	525	620	406.4	100	130	650	210	440	84	732	80	350	355	265	300	102	240	69	1052	791	415	200	176	73.92	75.49	1"	1001	-244.0	91.3	120.4
	GP-130°-585°/O3 HPA	3372	1823	1549	1522	525	680	406.4	100	130	680	210	470	84	812	80	350	355	265	300	102	290	80	1052	791	415	200	176	88.38	90.26	1"	1076	-184.9	91.3	121.2
	GP-130°-635°/O3 HPA	3387	1823	1564	1522	540	730	406.4	100	130	705	210	495	84	867	110	350	355	265	300	102	290	80	1052	806	415	200	176	104.13	106.34	1"	1194	-104.2	91.3	122.1
	GP-130°-335°/O4 HPA	3262	1723	1539	1422	515	415	406.4	100	130	548	210	338	84	520	70	350	355	265	300	102	140	48	1002	781	415	200	176	28.95	29.57	1/2"	780	-367.3	91.3	117.5
	GP-130°-385°/O4 HPA	3262	1723	1539	1422	515	465	406.4	100	130	573	210	363	84	605	80	350	355	265	300	102	190	60	1002	781	415	200	176	38.30	39.11	1"	820	-318.9	91.3	118.1
	GP-130°-435°/O4 HPA	3267	1723	1544	1422	520	515	406.4	100	130	598	210	388	84	670	120	350	355	265	300	102	190	60	1002	786	415	200	176	48.86	49.90	1"	859	-279.5	91.3	118.7
	GP-130°-485°/O4 HPA	3272	1723	1549	1422	525	570	406.4	100	130	625	210	415	84	742	115	350	355	265	300	102	240	69	1002	791	415	200	176	60.75	62.04	1"	922	-218.4	91.3	119.6
	GP-130°-535°/O4 HPA	3272	1723	1549	1422	525	620	406.4	100	130	650	210	440	84	732	80	350	355	265	300	102	240	69	1002	791	415	200	176	73.92	75.49	1"	961	-188.1	91.3	120.0
	GP-130°-585°/O4 HPA	3272	1723	1549	1422	525	680	406.4	100	130	680	210	470	84	812	80	350	355	265	300	102	290	80	1002	791	415	200	176	88.38	90.26	1"	1036	-130.8	91.3	120.8
	GP-130°-635°/O4 HPA	3287	1723	1564	1422	540	730	406.4	100	130	705	210	495	84	867	110	350	355	265	300	102	290	80	1002	806	415	200	176	104.13	106.34	1"	1154	-52.8	91.3	121.8
GP 130 - CARTER CAST IRON - FLANGE TYPE ISO F30	GP-130°-335°/O1 HPA	2855	1310	1545	1003	515	415	457.2	100	130	496	158	338	99	531	70	350	355	271	306	113	140	48	724	787	424	204	202	28.95	29.57	1/2"	790	-222.5	106.0	122.4
	GP-130°-385°/O1 HPA	2855	1310	1545	1003	515	465	457.2	100	130	521	158	363	99	616	80	350	355	271	306	113	190	60	724	787	424	204	202	38.30	39.11	1"	830	-181.4	106.0	122.8
	GP-130°-435°/O1 HPA	2860	1310	1550	1003	520	515	457.2	100	130	546	158	388	99	681	120	350	355	271	306	113	190	60	724	792	424	204	202	48.86	49.90	1"	869	-148.3	106.0	123.2
	GP-130°-485°/O1 HPA	2865	1310	1555	1003	525	570	457.2	100	130	573	158	415	99	753	115	350	355	271	306	113	240	69	724	797	424	204	202	60.75	62.04	1"	932	-96.4	106.0	123.7
	GP-130°-535°/O1 HPA	2865	1310	1555	1003	525	620	457.2	100	130	598	158	440	99	743	80	350	355	271	306	113	240	69	724	797	424	204	202	73.92	75.49	1"	971	-71.1	106.0	123.9
	GP-130°-585°/O1 HPA	2865	1310	1555	1003	525	680	457.2	100	130	628	158	470	99	823	80	350	355	271	306	113	290	80	724	797	424	204	202	88.38	90.26	1"	1046	-22.2	106.0	124.4
	GP-130°-635°/O1 HPA	2880	1310	1570	1003	540	730	457.2	100	130	653	158	495	99	878	110	350	355	271	306	113	290	80	724	812	424	204	202	104.13	106.34	1"	1164	44.7	106.0	125.0
	GP-130°-685°/O1 HPA	2932	1310	1622	1003	565	780	457.2	100	130	678	158	520	99	918	95	350	355	271	306	113	320	85	724	837	424	204	202	121.18	123.76	1"	1249	9.8	106.0	125.4
	GP-130°-735°/O1 HPA	2948	1310	1638	1003	581	840	457.2	100	130	708	158	550	99	948	95	350	355	271	306	113	320	85	724	853	424	204	202	139.50	142.46	1"	1431	138.3	106.0	126.0
	GP-130°-335°/O2 HPA	2855	1310	1545	1003	515	415	457.2	100	130	496	158	338	99	531	70	350	355	271	306	113	140	48	724	787	424	204	202	28.95	29.57	1/2"	815	-240.5	106.0	122.7
	GP-130°-385°/O2 HPA	2855	1310	1545	1003	515	465	457.2	100	130	521	158	363	99	616	80	350	355	271	306	113	190	60	724	787	424	204	202	38.30	39.11	1"	855	-199.7	106.0	123.1
	GP-130°-435°/O2 HPA	2860	1310	1550	1003	520	515	457.2	100	130	546	158	388	99	681	120	350	355	271	306	113	190	60	724	792	424	204	202	48.86	49.90	1"	894	-166.8	106.0	123.4
	GP-130°-485°/O2 HPA	2865	1310	1555	1003	525	570	457.2	100	130	573	158	415	99	753	115	350	355	271	306	113	240	69	724	797	424	204	202	60.75	62.04	1"	957	-115.0	106.0	123.9
	GP-130°-535°/O2 HPA	2865	1310	1555	1003	525	620	457.2	100	130	598	158	440	99	743	80	350	355	271	306	113	240	69	724	797	424	204	202	73.92	75.49	1"	996	-89.6	106.0	124.1
	GP-130°-585°/O2 HPA	2865	1310	1555	1003	525	680	457.2	100	130	628	158	470	99	823	80	350	355	271	306	113	290	80	724	797	424	204	202	88.38	90.26	1"	1071	-40.5	106.0	124.6
	GP-130°-635°/O2 HPA	2880	1310	1570	1003	540	730	457.2	100	130	653	158	495	99	878	110	350	355	271	306	113	290	80	724	812	424	204	202	104.13	106.34	1"	1189	26.7	106.0	125.1
	GP-130°-685°/O2 HPA	2932	1310	1622	1003	565	780	457.2	100	130	678	158	520	99	918	95	350	355	271	306	113	320	85	724	837	424	204	202	121.18	123.76	1"	1274	73.1	106.0	125.5
	GP-130°-735°/O2 HPA	2948	1310	1638	1003	581	840	457.2	100	130	708	158	550	99	948	95	350	355	271	306	113	320	85	724	853	424	204	202	139.50	142.46	1"	1431	138.3	106.0	126.0
	GP-130°-335°/O3 HPA	3274	1829	1545	1522	515	415	406.4	100	130	496	158	338	99	531	70	350	355	271	306	113	140	48	1058	787	424	204	202	28.95	29.57	1/2"	860	-409.9	106.0	123.1
	GP-130°-385°/O3 HPA	3274	1829	1545																															

GP RANGE METRIC DIMENSION DATA
- SPRING RETURN FAIL OPEN + MANUAL OVERRIDE HPA - OGPAA00ADC REV.2

	ACTUATOR MODEL	ACTUATOR OVERALL DIMENSIONS (mm)																CARTER		SPOOL * (OPTIONAL)		LIFTING POINT		CLEARANCE FOR DISASSEMBLY			DISPLACEMENT (LITRES)		X	weight	CENTER GRAVITY				
		A	B	C	B2	C2	ØE	F	F1	G	H	K	L	N	P	Q	R	S	AL	AR	M1	M	Weight	B3	C3	ES	EC	ET	Simmetric	Canted	(NPT)	(Kg)	XG	ZG	YG
GP 160 * CARTER CARBON STEEL - FLANGE TYPE ISO F35	GP-160°-385°/O0 HPA	3234	1480	1754	1099	597	465	609.6	100	160	633	240	393	105	580	80	350	355	340	380	127	140	60	1017	938	530	253	222	47.49	48.19	1"	1094	-311.2	113.9	146.2
	GP-160°-435°/O0 HPA	3234	1480	1754	1099	597	515	609.6	100	160	658	240	418	105	640	115	350	355	340	380	127	140	60	1017	938	530	253	222	60.59	61.48	1"	1140	-270.8	113.9	146.8
	GP-160°-485°/O0 HPA	3234	1480	1754	1099	597	570	609.6	100	160	685	240	445	105	682	80	350	355	340	380	127	190	75	1017	938	530	253	222	75.34	76.45	1"	1183	-240.3	113.9	147.3
	GP-160°-535°/O0 HPA	3239	1480	1759	1099	602	620	609.6	100	160	710	240	470	105	787	110	350	355	340	380	127	240	87	1017	943	530	253	222	91.67	93.02	1"	1247	-187.3	113.9	148.0
	GP-160°-585°/O0 HPA	3239	1480	1759	1099	602	680	609.6	100	160	740	240	500	105	807	100	350	355	340	380	127	240	87	1017	943	530	253	222	109.61	111.22	1"	1325	-135.7	113.9	148.7
	GP-160°-635°/O0 HPA	3249	1480	1769	1099	612	730	609.6	100	160	765	240	525	105	892	110	350	355	340	380	127	290	98	1017	953	530	253	222	129.13	131.03	1"	1426	-72.7	113.9	149.6
	GP-160°-685°/O0 HPA	3249	1480	1769	1099	612	780	609.6	100	160	790	240	550	105	947	110	350	355	340	380	127	320	105	1017	953	530	253	222	150.28	152.49	1"	1508	-30.5	113.9	150.2
	GP-160°-735°/O0 HPA	3264	1480	1784	1099	627	840	609.6	100	160	820	240	580	105	962	95	350	355	340	380	127	320	105	1017	968	530	253	222	172.99	175.54	1"	1658	41.5	113.9	151.1
	GP-160°-785°/O0 HPA	3268	1480	1788	1099	631	890	609.6	100	160	845	240	605	105	1027	95	350	355	340	380	127	360	115	1017	972	530	253	222	197.39	200.29	1"	1768	87.0	113.9	151.7
	GP-160°-835°/O0 HPA	3444	1480	1964	1099	686	940	609.6	100	160	870	240	630	105	1097	140	350	355	340	380	127	360	115	1017	1027	530	253	222	223.34	226.62	1"	2037	199.5	113.9	152.6
	GP-160°-385°/O1 HPA	3591	1837	1754	1456	597	465	406.4	100	160	633	240	393	105	580	80	350	355	340	380	127	140	60	1099	938	530	253	222	47.49	48.19	1"	934	-287.4	113.9	143.7
	GP-160°-435°/O1 HPA	3591	1837	1754	1456	597	515	406.4	100	160	658	240	418	105	640	115	350	355	340	380	127	140	60	1099	938	530	253	222	60.59	61.48	1"	980	-241.5	113.9	144.5
	GP-160°-485°/O1 HPA	3591	1837	1754	1456	597	570	406.4	100	160	685	240	445	105	682	80	350	355	340	380	127	190	75	1099	938	530	253	222	75.34	76.45	1"	1023	-207.4	113.9	145.2
	GP-160°-535°/O1 HPA	3596	1837	1759	1456	602	620	406.4	100	160	710	240	470	105	787	110	350	355	340	380	127	240	87	1099	943	530	253	222	91.67	93.02	1"	1087	-148.6	113.9	146.1
	GP-160°-585°/O1 HPA	3596	1837	1759	1456	602	680	406.4	100	160	740	240	500	105	807	100	350	355	340	380	127	240	87	1099	943	530	253	222	109.61	111.22	1"	1165	-92.4	113.9	147.1
	GP-160°-635°/O1 HPA	3606	1837	1769	1456	612	730	406.4	100	160	765	240	525	105	892	110	350	355	340	380	127	290	98	1099	953	530	253	222	129.13	131.03	1"	1266	-24.9	113.9	148.2
	GP-160°-685°/O1 HPA	3606	1837	1769	1456	612	780	406.4	100	160	790	240	550	105	947	110	350	355	340	380	127	320	105	1099	953	530	253	222	150.28	152.49	1"	1348	19.3	113.9	148.9
	GP-160°-735°/O1 HPA	3621	1837	1784	1456	627	840	406.4	100	160	820	240	580	105	962	95	350	355	340	380	127	320	105	1099	968	530	253	222	172.99	175.54	1"	1498	94.1	113.9	150.1
	GP-160°-785°/O1 HPA	3625	1837	1788	1456	631	890	406.4	100	160	845	240	605	105	1027	95	350	355	340	380	127	360	115	1099	972	530	253	222	197.39	200.29	1"	1608	140.5	113.9	150.8
	GP-160°-835°/O1 HPA	3801	1837	1964	1456	686	940	406.4	100	160	870	240	630	105	1097	140	350	355	340	380	127	360	115	1099	1027	530	253	222	223.34	226.62	1"	1877	255.0	113.9	151.9
	GP-160°-385°/O2 HPA	3828	2074	1754	1693	597	465	609.6	100	160	633	240	393	105	580	80	350	355	340	380	127	140	60	1221	938	530	253	222	47.49	48.19	1"	1424	-646.4	113.9	149.6
	GP-160°-435°/O2 HPA	3828	2074	1754	1693	597	515	609.6	100	160	658	240	418	105	640	115	350	355	340	380	127	140	60	1221	938	530	253	222	60.59	61.48	1"	1470	-604.6	113.9	149.9
	GP-160°-485°/O2 HPA	3828	2074	1754	1693	597	570	609.6	100	160	685	240	445	105	682	80	350	355	340	380	127	190	75	1221	938	530	253	222	75.34	76.45	1"	1513	-571.2	113.9	150.2
	GP-160°-535°/O2 HPA	3833	2074	1759	1693	602	620	609.6	100	160	710	240	470	105	787	110	350	355	340	380	127	240	87	1221	943	530	253	222	91.67	93.02	1"	1577	-515.9	113.9	150.6
	GP-160°-585°/O2 HPA	3833	2074	1759	1693	602	680	609.6	100	160	740	240	500	105	807	100	350	355	340	380	127	240	87	1221	943	530	253	222	109.61	111.22	1"	1655	-459.0	113.9	151.1
	GP-160°-635°/O2 HPA	3843	2074	1769	1693	612	730	609.6	100	160	765	240	525	105	892	110	350	355	340	380	127	290	98	1221	953	530	253	222	129.13	131.03	1"	1756	-389.3	113.9	151.6
	GP-160°-685°/O2 HPA	3843	2074	1769	1693	612	780	609.6	100	160	790	240	550	105	947	110	350	355	340	380	127	320	105	1221	953	530	253	222	150.28	152.49	1"	1838	-340.6	113.9	152.0
	GP-160°-735°/O2 HPA	3858	2074	1784	1693	627	840	609.6	100	160	820	240	580	105	962	95	350	355	340	380	127	320	105	1221	968	530	253	222	172.99	175.54	1"	1988	-257.1	113.9	152.6
	GP-160°-785°/O2 HPA	3862	2074	1788	1693	631	890	609.6	100	160	845	240	605	105	1027	95	350	355	340	380	127	360	115	1221	972	530	253	222	197.39	200.29	1"	2098	-203.1	113.9	153.0
	GP-160°-835°/O2 HPA	4038	2074	1964	1693	686	940	609.6	100	160	870	240	630	105	1097	140	350	355	340	380	127	360	115	1221	1027	530	253	222	223.34	226.62	1"	2367	-73.3	113.9	153.7
	GP-160°-385°/O3 HPA	3658	1904	1754	1523	597	465	609.6	100	160	633	240	393	105	580	80	350	355	340	380	127	140	60	1137	938	530	253	222	47.49	48.19	1"	1387	-576.8	113.9	149.3
	GP-160°-435°/O3 HPA	3658	1904	1754	1523	597	515	609.6	100	160	658	240	418	105	640	115	350	355	340	380	127	140	60	1137	938	530	253	222	60.59	61.48	1"	1433	-536.1	113.9	149.6
GP-160°-485°/O3 HPA	3658	1904	1754	1523	597	570	609.6	100	160	685	240	445	105	682	80	350	355	340	380	127	190	75	1137	938	530	253	222	75.34	76.45	1"	1476	-503.9	113.9	149.9	
GP-160°-535°/O3 HPA	3663	1904	1759	1523	602	620	609.6	100	160	710	240	470	105	787	110	350	355	340	380	127	24														

GP RANGE METRIC DIMENSION DATA
- SPRING RETURN FAIL OPEN + MANUAL OVERRIDE HPA - OGPAA00ADC REV.2

ACTUATOR MODEL	ACTUATOR OVERALL DIMENSIONS (mm)																CARTER		SPOOL * (OPTIONAL)		LIFTING POINT		CLEARANCE FOR DISASSEMBLY			DISPLACEMENT (LITRES)		X	weight	CENTER GRAVITY					
	A	B	C	B2	C2	ØE	F	F1	G	H	K	L	N	P	Q	R	S	AL	AR	M1	M	Weight	B3	C3	ES	EC	ET	Simmetric	Canted	(NPT)	(Kg)	XG	ZG	YG	
GP 161 - CARTER CARBON STEEL - FLANGE TYPE ISO F40	GP-161-385/O0 HPA	3234	1480	1754	1099	597	465	609.6	100	160	633	240	393	145	603	80	350	355	340	380	150	140	60	1017	938	530	253	285	47.49	48.19	1"	1174	-290.7	136.3	142.6
	GP-161-435/O0 HPA	3234	1480	1754	1099	597	515	609.6	100	160	658	240	418	145	663	115	350	355	340	380	150	140	60	1017	938	530	253	285	60.59	61.48	1"	1220	-253.7	136.3	143.2
	GP-161-485/O0 HPA	3234	1480	1754	1099	597	570	609.6	100	160	685	240	445	145	705	80	350	355	340	380	150	190	75	1017	938	530	253	285	75.34	76.45	1"	1263	-225.7	136.3	143.8
	GP-161-535/O0 HPA	3239	1480	1759	1099	602	620	609.6	100	160	710	240	470	145	810	110	350	355	340	380	150	240	87	1017	943	530	253	285	91.67	93.02	1"	1327	-176.7	136.3	144.7
	GP-161-585/O0 HPA	3239	1480	1759	1099	602	680	609.6	100	160	740	240	500	145	830	100	350	355	340	380	150	240	87	1017	943	530	253	285	109.61	111.22	1"	1405	-128.5	136.3	145.6
	GP-161-635/O0 HPA	3249	1480	1769	1099	612	730	609.6	100	160	765	240	525	145	915	110	350	355	340	380	150	290	98	1017	953	530	253	285	129.13	131.03	1"	1506	-69.3	136.3	146.6
	GP-161-685/O0 HPA	3249	1480	1769	1099	612	780	609.6	100	160	790	240	550	145	970	110	350	355	340	380	150	320	105	1017	953	530	253	285	150.28	152.49	1"	1588	-29.5	136.3	147.3
	GP-161-735/O0 HPA	3264	1480	1784	1099	627	840	609.6	100	160	820	240	580	145	985	95	350	355	340	380	150	320	105	1017	968	530	253	285	172.99	175.54	1"	1738	39.2	136.3	148.4
	GP-161-785/O0 HPA	3268	1480	1788	1099	631	890	609.6	100	160	845	240	605	145	1050	95	350	355	340	380	150	360	115	1017	972	530	253	285	197.39	200.29	1"	1848	82.8	136.3	149.1
	GP-161-835/O0 HPA	3444	1480	1964	1099	686	940	609.6	100	160	870	240	630	145	1120	140	350	355	340	380	150	360	115	1017	1027	530	253	285	223.34	226.62	1"	2117	191.6	136.3	150.3
	GP-161-935/O0 HPA	3479	1480	1999	1099	721	1040	609.6	100	160	920	240	680	145	1205	135	350	355	340	380	150	400	130	1017	1062	530	253	285	280.01	284.13	1"	2358	266.1	136.3	151.3
	GP-161-385/O1 HPA	3591	1837	1754	1456	597	465	406.4	100	160	633	240	393	145	603	80	350	355	340	380	150	140	60	1099	938	530	253	285	47.49	48.19	1"	1014	-265.5	136.3	139.6
	GP-161-435/O1 HPA	3591	1837	1754	1456	597	515	406.4	100	160	658	240	418	145	663	115	350	355	340	380	150	140	60	1099	938	530	253	285	60.59	61.48	1"	1060	-224.0	136.3	140.6
	GP-161-485/O1 HPA	3591	1837	1754	1456	597	570	406.4	100	160	685	240	445	145	705	80	350	355	340	380	150	190	75	1099	938	530	253	285	75.34	76.45	1"	1103	-193.1	136.3	141.4
	GP-161-535/O1 HPA	3596	1837	1759	1456	602	620	406.4	100	160	710	240	470	145	810	110	350	355	340	380	150	240	87	1099	943	530	253	285	91.67	93.02	1"	1167	-139.1	136.3	142.4
	GP-161-585/O1 HPA	3596	1837	1759	1456	602	680	406.4	100	160	740	240	500	145	830	100	350	355	340	380	150	240	87	1099	943	530	253	285	109.61	111.22	1"	1245	-87.1	136.3	143.9
	GP-161-635/O1 HPA	3606	1837	1769	1456	612	730	406.4	100	160	765	240	525	145	915	110	350	355	340	380	150	290	98	1099	953	530	253	285	129.13	131.03	1"	1346	-24.0	136.3	144.9
	GP-161-685/O1 HPA	3606	1837	1769	1456	612	780	406.4	100	160	790	240	550	145	970	110	350	355	340	380	150	320	105	1099	953	530	253	285	150.28	152.49	1"	1428	17.7	136.3	145.8
	GP-161-735/O1 HPA	3621	1837	1784	1456	627	840	406.4	100	160	820	240	580	145	985	95	350	355	340	380	150	320	105	1099	968	530	253	285	172.99	175.54	1"	1578	88.8	136.3	147.2
	GP-161-785/O1 HPA	3625	1837	1788	1456	631	890	406.4	100	160	845	240	605	145	1050	95	350	355	340	380	150	360	115	1099	972	530	253	285	197.39	200.29	1"	1688	133.3	136.3	148.1
	GP-161-835/O1 HPA	3801	1837	1964	1456	686	940	406.4	100	160	870	240	630	145	1120	140	350	355	340	380	150	360	115	1099	1027	530	253	285	223.34	226.62	1"	1957	244.1	136.3	149.4
	GP-161-935/O1 HPA	3836	1837	1999	1456	721	1040	406.4	100	160	920	240	680	145	1205	135	350	355	340	380	150	400	130	1099	1062	530	253	285	280.01	284.13	1"	2198	318.3	136.3	150.7
	GP-161-385/O2 HPA	3828	2074	1754	1693	597	465	609.6	100	160	633	240	393	145	603	80	350	355	340	380	150	140	60	1221	938	530	253	285	47.49	48.19	1"	1504	-612.6	136.3	146.6
	GP-161-435/O2 HPA	3828	2074	1754	1693	597	515	609.6	100	160	658	240	418	145	663	115	350	355	340	380	150	140	60	1221	938	530	253	285	60.59	61.48	1"	1550	-573.9	136.3	147.0
	GP-161-485/O2 HPA	3828	2074	1754	1693	597	570	609.6	100	160	685	240	445	145	705	80	350	355	340	380	150	190	75	1221	938	530	253	285	75.34	76.45	1"	1593	-543.0	136.3	147.3
	GP-161-535/O2 HPA	3833	2074	1759	1693	602	620	609.6	100	160	710	240	470	145	810	110	350	355	340	380	150	240	87	1221	943	530	253	285	91.67	93.02	1"	1657	-491.5	136.3	147.8
	GP-161-585/O2 HPA	3833	2074	1759	1693	602	680	609.6	100	160	740	240	500	145	830	100	350	355	340	380	150	240	87	1221	943	530	253	285	109.61	111.22	1"	1735	-438.3	136.3	148.4
	GP-161-635/O2 HPA	3843	2074	1769	1693	612	730	609.6	100	160	765	240	525	145	915	110	350	355	340	380	150	290	98	1221	953	530	253	285	129.13	131.03	1"	1836	-372.8	136.3	149.1
	GP-161-685/O2 HPA	3843	2074	1769	1693	612	780	609.6	100	160	790	240	550	145	970	110	350	355	340	380	150	320	105	1221	953	530	253	285	150.28	152.49	1"	1918	-328.8	136.3	149.6
	GP-161-735/O2 HPA	3858	2074	1784	1693	627	840	609.6	100	160	820	240	580	145	985	95	350	355	340	380	150	320	105	1221	968	530	253	285	172.99	175.54	1"	2068	-247.5	136.3	150.3
	GP-161-785/O2 HPA	3862	2074	1788	1693	631	890	609.6	100	160	845	240	605	145	1050	95	350	355	340	380	150	360	115	1221	972	530	253	285	197.39	200.29	1"	2178	-196.0	136.3	150.8
	GP-161-835/O2 HPA	4038	2074	1964	1693	686	940	609.6	100	160	870	240	630	145	1120	140	350	355	340	380	150	360	115	1221	1027	530	253	285	223.34	226.62	1"	2447	-71.2	136.3	151.7
	GP-161-935/O2 HPA	4073	2074	1999	1693	721	1040	609.6	100																										

GP RANGE METRIC DIMENSION DATA
- SPRING RETURN FAIL OPEN + MANUAL OVERRIDE HPA - OGPAA00ADC REV.2

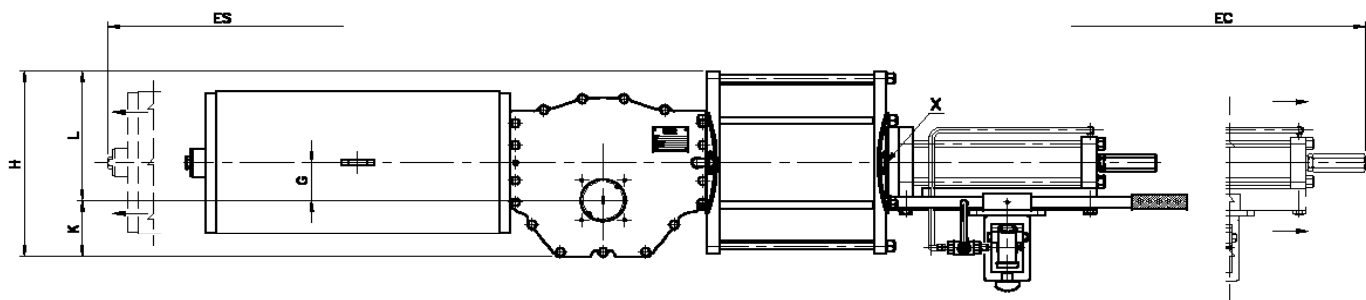
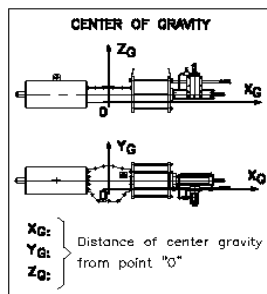
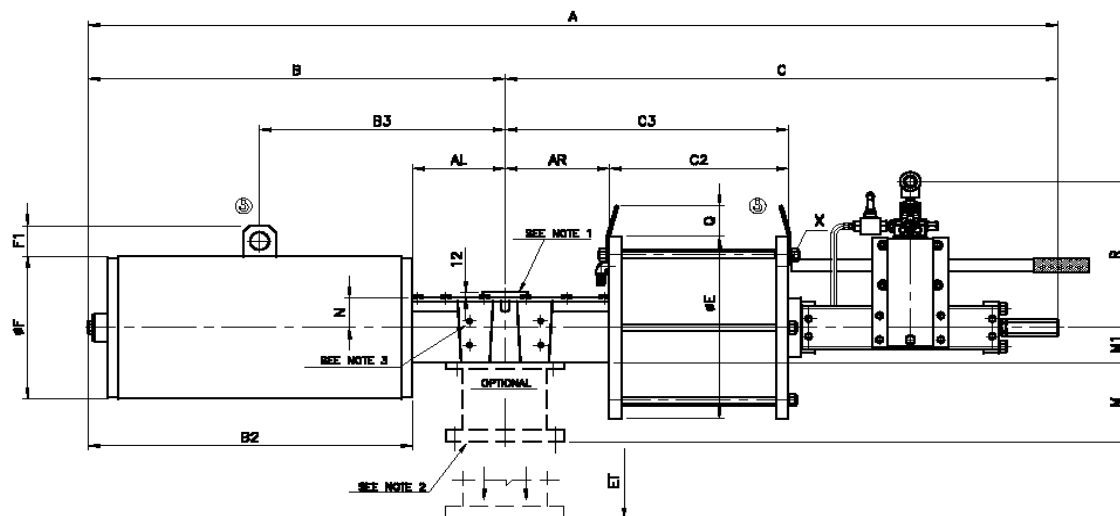
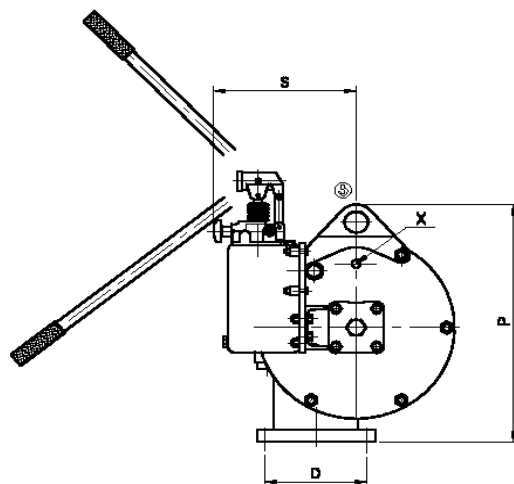
	ACTUATOR MODEL	ACTUATOR OVERALL DIMENSIONS (mm)																	CARTER		SPOOL * (OPTIONAL)			LIFTING POINT		CLEARANCE FOR DISASSEMBLY			DISPLACEMENT (LITRES)		X	weight	CENTER GRAVITY		
		A	B	C	B2	C2	ØE	F	F1	G	H	K	L	N	P	Q	R	S	AL	AR	M1	M	Weight	B3	C3	ES	EC	ET	Simmetric	Canted	(NPT)	(Kg)	XG	ZG	YG
GP 200 - CARTER CARBON STEEL - FLANGE TYPE ISO F40	GP-200*-485*/O1 HPA	4097	1993	2104	1517	741	570	609.6	100	200	765	280	485	128	708	80	385	355	425	475	153	190	125	1215	1167	663	317	271	93.43	95.46	1"	1946	-422.4	137.9	180.9
	GP-200*-535*/O1 HPA	4102	1993	2109	1517	746	620	609.6	100	200	790	280	510	128	723	70	385	355	425	475	153	190	125	1215	1172	663	317	271	113.69	116.16	1"	2024	-372.1	137.9	181.7
	GP-200*-585*/O1 HPA	4102	1993	2109	1517	746	680	609.6	100	200	820	280	540	128	833	100	385	355	425	475	153	240	145	1215	1172	663	317	271	135.93	138.89	1"	2116	-317.6	137.9	182.6
	GP-200*-635*/O1 HPA	4102	1993	2109	1517	746	730	609.6	100	200	845	280	565	128	868	110	385	355	425	475	153	240	145	1215	1172	663	317	271	160.15	163.63	1"	2187	-278.8	137.9	183.1
	GP-200*-685*/O1 HPA	4102	1993	2109	1517	746	780	609.6	100	200	870	280	590	128	943	110	385	355	425	475	153	290	162	1215	1172	663	317	271	186.38	190.43	1"	2276	-234.3	137.9	183.8
	GP-200*-735*/O1 HPA	4112	1993	2119	1517	756	840	609.6	100	200	900	280	620	128	958	95	385	355	425	475	153	290	162	1215	1182	663	317	271	214.54	219.21	1"	2411	-170.0	137.9	184.8
	GP-200*-785*/O1 HPA	4118	1993	2125	1517	762	890	609.6	100	200	925	280	645	128	1013	95	385	355	425	475	153	320	175	1215	1188	663	317	271	244.80	250.12	1"	2512	-122.8	137.9	185.4
	GP-200*-835*/O1 HPA	4127	1993	2134	1517	771	940	609.6	100	200	950	280	670	128	1123	140	385	425	425	475	153	360	190	1215	1197	663	317	271	276.98	283.01	1"	2722	-42.0	137.9	186.6
	GP-200*-885*/O1 HPA	4127	1993	2134	1517	771	990	609.6	100	200	975	280	695	128	1148	140	385	425	425	475	153	360	190	1215	1197	663	317	271	311.10	317.87	1"	2817	-9.8	137.9	187.1
	GP-200*-935*/O1 HPA	4132	1993	2139	1517	776	1040	609.6	100	200	1000	280	720	128	1208	135	385	425	425	475	153	400	210	1215	1202	663	317	271	347.27	354.82	1"	2947	33.8	137.9	187.7
	GP-200*-937*/O1 HPA	4132	1993	2139	1517	776	1090	609.6	100	200	1025	280	745	128	1273	135	385	425	425	475	153	440	240	1215	1202	663	317	271	385.57	393.95	1"	2822	3.5	137.9	187.1
	GP-200*-940*/O1 HPA	4168	1993	2175	1517	812	1160	609.6	100	200	1060	280	780	128	1293	120	385	425	425	475	153	440	240	1215	1238	663	317	271	437.94	447.46	1"	3537	188.9	137.9	189.8
	GP-200*-965*/O1 HPA	4315	1993	2322	1517	959	1410	609.6	100	200	1185	280	905	128	1573	135	385	425	425	475	153	580	310	1215	1385	663	317	271	671.46	686.06	1"	4832	475.8	137.9	192.6
	GP-200*-485*/O2 HPA	4097	1993	2104	1517	741	570	609.6	100	200	765	280	485	128	708	80	385	355	425	475	153	190	125	1215	1167	663	317	271	93.43	95.46	1"	1999	-443.9	137.9	181.5
	GP-200*-535*/O2 HPA	4102	1993	2109	1517	746	620	609.6	100	200	790	280	510	128	723	70	385	355	425	475	153	190	125	1215	1172	663	317	271	113.69	116.16	1"	2077	-394.1	137.9	182.2
	GP-200*-585*/O2 HPA	4102	1993	2109	1517	746	680	609.6	100	200	820	280	540	128	833	100	385	355	425	475	153	240	145	1215	1172	663	317	271	135.93	138.89	1"	2169	-340.0	137.9	183.0
	GP-200*-635*/O2 HPA	4102	1993	2109	1517	746	730	609.6	100	200	845	280	565	128	868	110	385	355	425	475	153	240	145	1215	1172	663	317	271	160.15	163.63	1"	2240	-301.4	137.9	183.6
	GP-200*-685*/O2 HPA	4102	1993	2109	1517	746	780	609.6	100	200	870	280	590	128	943	110	385	355	425	475	153	290	162	1215	1172	663	317	271	186.38	190.43	1"	2329	-257.0	137.9	184.2
	GP-200*-735*/O2 HPA	4112	1993	2119	1517	756	840	609.6	100	200	900	280	620	128	958	95	385	355	425	475	153	290	162	1215	1182	663	317	271	214.54	219.21	1"	2464	-192.9	137.9	185.1
	GP-200*-785*/O2 HPA	4118	1993	2125	1517	762	890	609.6	100	200	925	280	645	128	1013	95	385	355	425	475	153	320	175	1215	1188	663	317	271	244.80	250.12	1"	2565	-145.8	137.9	185.8
	GP-200*-835*/O2 HPA	4127	1993	2134	1517	771	940	609.6	100	200	950	280	670	128	1123	140	385	425	425	475	153	360	190	1215	1197	663	317	271	276.98	283.01	1"	2775	-64.7	137.9	186.9
	GP-200*-885*/O2 HPA	4127	1993	2134	1517	771	990	609.6	100	200	975	280	695	128	1148	140	385	425	425	475	153	360	190	1215	1197	663	317	271	311.10	317.87	1"	2870	-32.4	137.9	187.3
	GP-200*-935*/O2 HPA	4132	1993	2139	1517	776	1040	609.6	100	200	1000	280	720	128	1208	135	385	425	425	475	153	400	210	1215	1202	663	317	271	347.27	354.82	1"	3000	11.5	137.9	187.9
	GP-200*-937*/O2 HPA	4132	1993	2139	1517	776	1090	609.6	100	200	1025	280	745	128	1273	135	385	425	425	475	153	440	240	1215	1202	663	317	271	385.57	393.95	1"	2875	-19.3	137.9	187.3
	GP-200*-940*/O2 HPA	4168	1993	2175	1517	812	1160	609.6	100	200	1060	280	780	128	1293	120	385	425	425	475	153	440	240	1215	1238	663	317	271	437.94	447.46	1"	3590	167.9	137.9	189.9
	GP-200*-965*/O2 HPA	4315	1993	2322	1517	959	1410	609.6	100	200	1185	280	905	128	1573	135	385	425	425	475	153	580	310	1215	1385	663	317	271	671.46	686.06	1"	4885	457.2	137.9	192.7
GP 201 - CARTER CARBON STEEL - FLANGE TYPE ISO F40	GP-201*-485*/O3 HPA	4694	2589	2105	2113	741	570	609.6	100	200	765	280	485	149	718	80	385	405	425	475	163	190	125	1513	1167	663	317	302	94.73	96.02	1"	2640	-721.8	147.8	183.9
	GP-201*-535*/O3 HPA	4699	2589	2110	2113	746	620	609.6	100	200	790	280	510	149	733	70	385	405	425	475	163	190	125	1513	1172	663	317	302	115.26	116.83	1"	2718	-675.8	147.8	184.4
	GP-201*-585*/O3 HPA	4699	2589	2110	2113	746	680	609.6	100	200	820	280	540	149	843	100	385	405	425	475	163	240	145	1513	1172	663	317	302	137.81	139.69	1"	2810	-624.8	147.8	184.9
	GP-201*-635*/O3 HPA	4699	2589	2110	2113	746	730	609.6	100	200	845	280	565	149	878	110	385	405	425	475	163	240	145	1513	1172	663	317	302	162.36	164.58	1"	2881	-587.8	147.8	185.3
	GP-201*-685*/O3 HPA	4699	2589	2110	2113	746	780	609.6	100	200	870	280	590	149	953	110	385	405	425	475	163	290	162	1513	1172	663	317	302	188.96	191.54	1"	2970	-544.4	147.8	185.7
	GP-201*-735*/O3 HPA	4709	2589	2120	2113	756	840	609.6	100	200	900	280	620	149	968	95	385	405	425	475	163	290	162	1513	1182	663	317	302	217.51	220.48	1"	3105	-481.0	147.8	186.4
	GP-201*-785*/O3 HPA	4715	2589	2126	2113	762	890	609.6	100	200	925	280	645	149	1023	95	385	405	425	475	163	320	175	1513	1188	663	317	302	248.19	251.58	1"	3206	-434.2	147.8	186.8
	GP-201*-835*/O3 HPA	4724	2589	2135	2113	771	940	609.6	100	200	950	280	670	149	1133	140	385	405	425	475	163	360	190	1513	1197	663	317	302	280.82	284.65	1"	3411	-352.9	147.8	187.7

GP RANGE METRIC DIMENSION DATA
- SPRING RETURN FAIL OPEN + MANUAL OVERRIDE HPA - OGPAA00ADC REV.2

ACTUATOR MODEL	ACTUATOR OVERALL DIMENSIONS (mm)																	CARTER		SPOOL * (OPTIONAL)			LIFTING POINT		CLEARANCE FOR DISASSEMBLY			DISPLACEMENT (LITRES)		X	weight	CENTER GRAVITY			
	A	B	C	B2	C2	ØE	F	F1	G	H	K	L	N	P	Q	R	S	AL	AR	M1	M	Weight	B3	C3	ES	EC	ET	Symmetric	Canted	(NPT)	(Kg)	XG	ZG	YG	
GP 270 - CARTER CARBON STEEL - FLANGE TYPE SQ F48	GP-270°-735°/O0 HPA	6009	3246	2763	2665	947	840	711.2	150	270	1000	310	690	164	985	95	385	450	510	580	180	290	175	1877	1458	800	387	334	292.14	295.95	1"	4744	-629.9	168.9	251.4
	GP-270°-785°/O0 HPA	6009	3246	2763	2665	947	890	711.2	150	270	1025	310	715	164	1010	95	385	450	510	580	180	290	175	1877	1458	800	387	334	333.06	337.41	1"	4807	-605.0	168.9	251.7
	GP-270°-835°/O0 HPA	6041	3246	2795	2665	979	940	711.2	150	270	1050	310	740	164	1110	140	385	450	510	580	180	320	190	1877	1490	800	387	334	377.16	382.09	1"	5002	-531.2	168.9	252.5
	GP-270°-935°/O0 HPA	6028	3246	2782	2665	966	1040	711.2	150	270	1100	310	790	164	1195	135	385	450	510	580	180	360	210	1877	1477	800	387	334	472.86	479.04	1"	5271	-450.1	168.9	253.5
	GP-270°-937°/O0 HPA	6028	3246	2782	2665	966	1090	711.2	150	270	1125	310	815	164	1260	135	385	450	510	580	180	400	230	1877	1477	800	387	334	525.02	531.11	1"	5377	-418.5	168.9	253.9
	GP-270°-940°/O0 HPA	6058	3246	2812	2665	996	1160	711.2	150	270	1160	310	850	164	1320	120	385	450	510	580	180	440	255	1877	1507	800	387	334	596.33	604.12	1"	5715	-320.7	168.9	254.9
	GP-270°-942°/O0 HPA	6063	3246	2817	2665	1001	1215	711.2	150	270	1188	310	878	164	1358	130	385	450	510	580	180	440	255	1877	1512	800	387	334	654.55	663.10	1"	6006	-250.7	168.9	255.7
	GP-270°-945°/O0 HPA	6063	3246	2817	2665	1001	1270	711.2	150	270	1215	310	905	164	1450	135	385	450	510	580	180	500	295	1877	1512	800	387	334	715.32	724.66	1"	6315	-186.6	168.9	256.5
	GP-270°-960°/O0 HPA	6155	3246	2909	2665	1093	1320	711.2	150	270	1240	310	930	164	1480	140	385	450	510	580	180	500	295	1877	1604	800	387	334	778.91	789.09	1"	7152	0.6	168.9	258.2
	GP-270°-962°/O0 HPA	6129	3246	2883	2665	1067	1355	711.2	150	270	1258	310	948	164	1538	140	385	450	510	580	180	540	315	1877	1578	800	387	334	845.13	856.17	1"	7234	7.4	168.9	258.3
	GP-270°-965°/O0 HPA	6163	3246	2917	2665	1101	1410	711.2	150	270	1285	310	975	164	1560	135	385	450	510	580	180	540	315	1877	1612	800	387	334	914.30	926.25	1"	7838	114.3	168.9	259.3
	GP-270°-972°/O0 HPA	6109	3246	2863	2665	1047	1520	711.2	150	270	1340	310	1030	164	1685	145	385	450	510	580	180	600	360	1877	1558	800	387	334	1060.37	1074.22	1"	7497	32.9	168.9	258.8
	GP-270°-735°/O2 HPA	6009	3246	2763	2665	947	840	711.2	150	270	1000	310	690	164	985	95	385	450	510	580	180	290	175	1877	1458	800	387	334	292.14	295.95	1"	5001	-695.8	168.9	252.5
	GP-270°-785°/O2 HPA	6009	3246	2763	2665	947	890	711.2	150	270	1025	310	715	164	1010	95	385	450	510	580	180	290	175	1877	1458	800	387	334	333.06	337.41	1"	5064	-671.4	168.9	252.7
	GP-270°-835°/O2 HPA	6041	3246	2795	2665	979	940	711.2	150	270	1050	310	740	164	1110	140	385	450	510	580	180	320	190	1877	1490	800	387	334	377.16	382.09	1"	5259	-598.7	168.9	253.5
	GP-270°-935°/O2 HPA	6028	3246	2782	2665	966	1040	711.2	150	270	1100	310	790	164	1195	135	385	450	510	580	180	360	210	1877	1477	800	387	334	472.86	479.04	1"	5528	-518.1	168.9	254.3
	GP-270°-937°/O2 HPA	6028	3246	2782	2665	966	1090	711.2	150	270	1125	310	815	164	1260	135	385	450	510	580	180	400	230	1877	1477	800	387	334	525.02	531.11	1"	5634	-486.6	168.9	254.7
	GP-270°-940°/O2 HPA	6058	3246	2812	2665	996	1160	711.2	150	270	1160	310	850	164	1320	120	385	450	510	580	180	440	255	1877	1507	800	387	334	596.33	604.12	1"	5972	-389.2	168.9	256.6
	GP-270°-942°/O2 HPA	6063	3246	2817	2665	1001	1215	711.2	150	270	1188	310	878	164	1358	130	385	450	510	580	180	440	255	1877	1512	800	387	334	654.55	663.10	1"	6263	-318.9	168.9	256.3
	GP-270°-945°/O2 HPA	6063	3246	2817	2665	1001	1270	711.2	150	270	1215	310	905	164	1450	135	385	450	510	580	180	500	295	1877	1512	800	387	334	715.32	724.66	1"	6572	-254.1	168.9	257.0
	GP-270°-960°/O2 HPA	6155	3246	2909	2665	1093	1320	711.2	150	270	1240	310	930	164	1480	140	385	450	510	580	180	500	295	1877	1604	800	387	334	778.91	789.09	1"	7409	-65.8	168.9	258.6
	GP-270°-962°/O2 HPA	6129	3246	2883	2665	1067	1355	711.2	150	270	1258	310	948	164	1538	140	385	450	510	580	180	540	315	1877	1578	800	387	334	845.13	856.17	1"	7491	-58.5	168.9	258.7
	GP-270°-965°/O2 HPA	6163	3246	2917	2665	1101	1410	711.2	150	270	1285	310	975	164	1560	135	385	450	510	580	180	540	315	1877	1612	800	387	334	914.30	926.25	1"	8095	49.9	168.9	259.6
	GP-270°-972°/O2 HPA	6109	3246	2863	2665	1047	1520	711.2	150	270	1340	310	1030	164	1685	145	385	450	510	580	180	600	360	1877	1558	800	387	334	1060.37	1074.22	1"	7754	-31.6	168.9	259.2
	GP-270°-735°/O3 HPA	6009	3246	2763	2665	947	840	711.2	150	270	1000	310	690	164	985	95	385	450	510	580	180	290	175	1877	1458	800	387	334	292.14	295.95	1"	5015	-699.2	168.9	252.6
	GP-270°-785°/O3 HPA	6009	3246	2763	2665	947	890	711.2	150	270	1025	310	715	164	1010	95	385	450	510	580	180	290	175	1877	1458	800	387	334	333.06	337.41	1"	5078	-674.8	168.9	252.8
	GP-270°-835°/O3 HPA	6041	3246	2795	2665	979	940	711.2	150	270	1050	310	740	164	1110	140	385	450	510	580	180	320	190	1877	1490	800	387	334	377.16	382.09	1"	5273	-602.2	168.9	253.5
	GP-270°-935°/O3 HPA	6028	3246	2782	2665	966	1040	711.2	150	270	1100	310	790	164	1195	135	385	450	510	580	180	360	210	1877	1477	800	387	334	472.86	479.04	1"	5542	-521.6	168.9	254.4
	GP-270°-937°/O3 HPA	6028	3246	2782	2665	966	1090	711.2	150	270	1125	310	815	164	1260	135	385	450	510	580	180	400	230	1877	1477	800	387	334	525.02	531.11	1"	5648	-480.2	168.9	254.7
	GP-270°-940°/O3 HPA	6058	3246	2812	2665	996	1160	711.2	150	270	1160	310	850	164	1320	120	385	450	510	580	180	440	255	1877	1507	800	387	334	596.33	604.12	1"	5986	-392.8	168.9	255.7
	GP-270°-942°/O3 HPA	6063	3246	2817	2665	1001	1215	711.2	150	270	1188	310	878	164	1358	130	385	450	510	580	180	440	255	1877	1512	800	387	334	654.55	663.10	1"	6277	-322.4	168.9	256.4
	GP-270°-945°/O3 HPA	6063	3246	2817	2665	1001	1270	711.2	150	270	1215	310	905	164	1450	135	385	450	510	580	180	500	295	1877	1512	800	387	334	715.32	724.66	1"	6586	-257.6	168.9	257.1
GP-270°-960°/O3 HPA	6155	3246	2909	2665	1093	1320	711.2	150	270	1240	310	930	164	1480	140	385	450	510	580	180	500	295	1877	1604	800	387	334	778.91	789.09	1"	7423	-69.3	168.9	258.6	
GP-270°-962°/O3 HPA	6129	3246	2883	2665</																															

GP RANGE METRIC DIMENSION DATA
- SPRING RETURN FAIL OPEN + MANUAL OVERRIDE HPA - OGPAA00ADC REV.2

ACTUATOR MODEL		ACTUATOR OVERALL DIMENSIONS (mm)																CARTER		SPOOL * (OPTIONAL)		LIFTING POINT		CLEARANCE FOR DISASSEMBLY			DISPLACEMENT (LITRES)		X	weight	CENTER GRAVITY					
		A	B	C	B2	C2	ØE	F	F1	G	H	K	L	N	P	Q	R	S	AL	AR	M1	M	Weight	B3	C3	ES	EC	ET	Simmetric	Canted	(NPT)	(Kg)	XG	ZG	YG	
GP 271 - CARTER CARBON STEEL - FLANGE TYPE ISO F60	GP-271*-942*/O0 HPA	6086	3246	2840	2665	1001	1215	711.2	150	270	1218	340	878	192	1388	130	385	535	510	580	210	440	520	1877	1512	800	387	392	654.55	663.10	1"	6131	-237.2	196.3	252.0	
	GP-271*-945*/O0 HPA	6086	3246	2840	2665	1001	1270	711.2	150	270	1245	340	905	192	1420	135	385	535	510	580	210	440	520	1877	1512	800	387	392	715.32	724.66	1"	6440	-175.0	196.3	252.9	
	GP-270*-960*/O0 HPA	6178	3246	2932	2665	1093	1320	711.2	150	270	1270	340	930	192	1510	140	385	535	510	580	210	500	600	1877	1604	800	387	392	778.91	789.09	1"	7277	8.1	196.3	256.0	
	GP-271*-962*/O0 HPA	6152	3246	2906	2665	1067	1355	711.2	150	270	1288	340	948	192	1528	140	385	535	510	580	210	500	600	1877	1578	800	387	392	845.13	856.17	1"	7359	14.5	196.3	256.2	
	GP-271*-965*/O0 HPA	6186	3246	2940	2665	1101	1410	711.2	150	270	1315	340	975	192	1595	140	385	535	510	580	210	540	650	1877	1612	800	387	392	914.30	926.25	1"	7963	119.4	196.3	256.4	
	GP-271*-972*/O0 HPA	6132	3246	2886	2665	1047	1520	711.2	150	270	1370	340	1030	192	1715	145	385	535	510	580	210	600	750	1877	1558	800	387	392	1060.37	1074.22	1"	7622	39.3	196.3	256.8	
	GP-271*-975*/O0 HPA	6195	3246	2949	2665	1110	1600	711.2	150	270	1410	340	1070	192	1780	130	385	535	510	580	210	640	850	1877	1621	800	387	392	1137.19	1152.05	1"	8932	222.6	196.3	258.0	
	GP-271*-980*/O0 HPA	6195	3246	2949	2665	1110	1640	711.2	150	270	1430	340	1090	192	1805	135	385	535	510	580	210	640	850	1877	1621	800	387	392	1216.98	1232.88	1"	8957	228.3	196.3	258.0	
	GP-271*-982*/O0 HPA	6195	3246	2949	2665	1110	1690	711.2	150	270	1455	340	1115	192	1860	135	385	535	510	580	210	670	900	1877	1621	800	387	392	1299.45	1316.43	1"	9222	256.3	196.3	258.4	
	GP-271*-987*/O0 HPA	6195	3246	2949	2665	1110	1750	711.2	150	270	1485	340	1145	192	1915	130	385	535	510	580	210	700	950	1877	1621	800	387	392	1384.89	1402.98	1"	9752	303.9	196.3	259.1	
	GP-271*-942*/O2 HPA	6086	3246	2840	2665	1001	1215	711.2	150	270	1218	340	878	192	1388	130	385	535	510	580	210	440	520	1877	1512	800	387	392	654.55	663.10	1"	6381	-302.8	196.3	252.7	
	GP-271*-945*/O2 HPA	6086	3246	2840	2665	1001	1270	711.2	150	270	1245	340	905	192	1420	135	385	535	510	580	210	440	520	1877	1512	800	387	392	715.32	724.66	1"	6690	-239.9	196.3	253.6	
	GP-270*-960*/O2 HPA	6178	3246	2932	2665	1093	1320	711.2	150	270	1270	340	930	192	1510	140	385	535	510	580	210	500	600	1877	1604	800	387	392	778.91	789.09	1"	7527	-55.7	196.3	256.6	
	GP-271*-962*/O2 HPA	6152	3246	2906	2665	1067	1355	711.2	150	270	1288	340	948	192	1528	140	385	535	510	580	210	500	600	1877	1578	800	387	392	845.13	856.17	1"	7609	-48.8	196.3	256.7	
	GP-271*-965*/O2 HPA	6186	3246	2940	2665	1101	1410	711.2	150	270	1315	340	975	192	1595	140	385	535	510	580	210	540	650	1877	1612	800	387	392	914.30	926.25	1"	8213	57.5	196.3	256.9	
	GP-271*-972*/O2 HPA	6132	3246	2886	2665	1047	1520	711.2	150	270	1370	340	1030	192	1715	145	385	535	510	580	210	600	750	1877	1558	800	387	392	1060.37	1074.22	1"	7872	-22.7	196.3	256.2	
	GP-271*-975*/O2 HPA	6195	3246	2949	2665	1110	1600	711.2	150	270	1410	340	1070	192	1780	130	385	535	510	580	210	640	850	1877	1621	800	387	392	1137.19	1152.05	1"	9182	164.4	196.3	258.3	
	GP-271*-980*/O2 HPA	6195	3246	2949	2665	1110	1640	711.2	150	270	1430	340	1090	192	1805	135	385	535	510	580	210	640	850	1877	1621	800	387	392	1216.98	1232.88	1"	9207	170.2	196.3	258.4	
	GP-271*-982*/O2 HPA	6195	3246	2949	2665	1110	1690	711.2	150	270	1455	340	1115	192	1860	135	385	535	510	580	210	670	900	1877	1621	800	387	392	1299.45	1316.43	1"	9493	194.4	196.3	258.7	
	GP-271*-987*/O2 HPA	6195	3246	2949	2665	1110	1750	711.2	150	270	1485	340	1145	192	1915	130	385	535	510	580	210	700	950	1877	1621	800	387	392	1384.89	1402.98	1"	10023	244.0	196.3	259.4	
	GP-271*-942*/O4 HPA	6146	3306	2840	2725	1001	1215	711.2	150	270	1218	340	878	192	1388	130	385	535	510	580	210	440	520	1907	1512	800	387	392	654.55	663.10	1"	6066	-231.1	196.3	251.7	
	GP-271*-945*/O4 HPA	6146	3306	2840	2725	1001	1270	711.2	150	270	1245	340	905	192	1420	135	385	535	510	580	210	440	520	1907	1512	800	387	392	715.32	724.66	1"	6375	-168.6	196.3	252.7	
	GP-270*-960*/O4 HPA	6238	3306	2932	2725	1093	1320	711.2	150	270	1270	340	930	192	1510	140	385	535	510	580	210	500	600	1907	1604	800	387	392	778.91	789.09	1"	7212	15.4	196.3	254.9	
	GP-271*-962*/O4 HPA	6212	3306	2906	2725	1067	1355	711.2	150	270	1288	340	948	192	1528	140	385	535	510	580	210	500	600	1907	1578	800	387	392	845.13	856.17	1"	7294	21.8	196.3	255.1	
	GP-271*-965*/O4 HPA	6246	3306	2940	2725	1101	1410	711.2	150	270	1315	340	975	192	1595	140	385	535	510	580	210	540	650	1907	1612	800	387	392	914.30	926.25	1"	7898	126.9	196.3	256.3	
	GP-271*-972*/O4 HPA	6192	3306	2886	2725	1047	1520	711.2	150	270	1370	340	1030	192	1715	145	385	535	510	580	210	600	750	1907	1558	800	387	392	1060.37	1074.22	1"	7557	-46.5	196.3	256.6	
	GP-271*-975*/O4 HPA	6255	3306	2949	2725	1110	1600	711.2	150	270	1410	340	1070	192	1780	130	385	535	510	580	210	640	850	1907	1621	800	387	392	1137.19	1152.05	1"	8867	230.1	196.3	267.9	
	GP-271*-980*/O4 HPA	6255	3306	2949	2725	1110	1640	711.2	150	270	1430	340	1090	192	1805	135	385	535	510	580	210	640	850	1907	1621	800	387	392	1216.98	1232.88	1"	8957	228.3	196.3	267.9	
	GP-271*-982*/O4 HPA	6255	3306	2949	2725	1110	1690	711.2	150	270	1455	340	1115	192	1860	135	385	535	510	580	210	670	900	1907	1621	800	387	392	1299.45	1316.43	1"	9157	263.8	196.3	268.3	
	GP-271*-987*/O4 HPA	6255	3306	2949	2725	1110	1750	711.2	150	270	1485	340	1145	192	1915	130	385	535	510	580	210	700	950	1907	1621	800	387	392	1384.89	1402.98	1"	9687	311.3	196.3	259.0	
	GP 350 - CARTER CARBON STEEL	GP-350*-942*/O0 HPA	7850	3841	4009	2920	1422	1215	813	150	350	1650	520	1130	364	1388	130	385	490	820	920	360	290	780	1726	2243	1280	613	714	849.30	859.75	1"	13133	-210.7	340.0	310.5
		GP-350*-960*/O0 HPA	7850	3841	4009	2920	1422	1320	813	150	350	1650	520	1130	364	1475	135	385	490	820	920	360	320	830	1726	2243	1280	613	714	1010.67	1023.10	1"	13233	-185.9	340.0	310.9
		GP-350*-972*/O0 HPA	7850	3841	4009	2920	1422	1520	813	150	350	1650	520	1130	364	1700	140	385	490	820	920	360	440	950	1726	2243	1280	613	714	1375.87	1392.80	1"	13993	-83.5	340.0	313.1
		GP-350*-975*/O0 HPA	7850	3841	4009	2920	1422	1600	813	150	350	1650	520	1130	364	1750	110	3																		



- ③ LIFTING POINT ACTUATOR ONLY
 D ACCORDING TO VALVE FLANGE
 X PNEUMATIC CONNECTION
 NOTE 3 CONTROL PANEL INTERFACE ACCORDING TO : DWG. GD00198-040
 NOTE 2 COUPLING ACTUATOR INTERFACE ACCORDING TO : DWG. GD00198-030
 NOTE 1 MICROSWITCHES GROUP INTERFACE ACCORDING TO : DWG. GD00220

All dimensions are in mm

rotork
 fluid systems

SINGLE ACTING PNEUMATIC ACTUATOR
 FAIL TO CLOSE c/w HPA
 OVERALL DIMENSIONS

02	16.04.08	BERNINI	BARSOTTI
01	25.10.05	BERNINI	BARSOTTI
00	05.12.00	FERDENZI	PISARONI
rev.	date	drawn	check
OGPCH00ADC			

REPORTED ARE MAXIMUM DIMENSIONS - IT WILL BE CARE OF R.F.S. TO INFORM YOU IN CASE OF ANY DIMENSIONAL INCREASE



GP RANGE METRIC DIMENSION DATA
- SPRING RETURN FAIL CLOSE+ MANUAL OVERRIDE HPA - OGPCH00ADC REV.2

GP 065 - CARTER CARBON STEEL - FLANGE TYPE ISO F25	ACTUATOR MODEL	ACTUATOR OVERALL DIMENSIONS (mm)																	CARTER		SPOOL * (OPTIONAL)			LIFTING POINT		CLEARANCE FOR DISASSEMBLY			DISPLACEMENT (LITRES)		X	weight	CENTER GRAVITY		
		A	B	C	B2	C2	ØE	F	F1	G	H	K	L	N	P	Q	R	S	AL	AR	M1	M	Weight	B3	C3	ES	EC	ET	Simmetric	Canted	(NPT)	(Kg)	XG	ZG	YG
	GP-065*-180*/C1 HPA	1952	839	1113	672.5	353	240	273	70	65	330	145	185	70	370	80	350	305	165	190	80	90	14	443	544	260	127	140	4.20	4.27	1/4"	209	-6.2	73.0	54.4
	GP-065*-235*/C1 HPA	1957	839	1118	672.5	358	310	273	70	65	365	145	220	70	405	80	350	305	165	190	80	90	14	443	549	260	127	140	7.15	7.28	1/2"	240	45.8	73.0	56.0
	GP-065*-280*/C1 HPA	1967	839	1128	672.5	368	355	273	70	65	388	145	243	70	478	80	350	305	165	190	80	140	18	443	559	260	127	140	10.16	10.34	1/2"	266	82.9	73.0	57.0
	GP-065*-335*/C1 HPA	1977	839	1138	672.5	378	415	273	70	65	418	145	273	70	498	70	350	305	165	190	80	140	18	443	569	260	127	140	14.52	14.78	1/2"	311	135.3	73.0	58.4
	GP-065*-385*/C1 HPA	1980	839	1141	672.5	381	465	273	70	65	443	145	298	70	583	80	350	305	165	190	80	190	25	443	572	260	127	140	19.21	19.56	1"	348	166.8	73.0	59.1
	GP-065*-435*/C1 HPA	1985	839	1146	672.5	386	515	273	70	65	468	145	323	70	608	80	350	305	165	190	80	190	25	443	577	260	127	140	24.50	24.95	1"	394	197.8	73.0	59.9
	GP-065*-485*/C1 HPA	1990	839	1151	672.5	391	570	273	70	65	495	145	350	70	665	80	350	305	165	190	80	220	32	443	582	260	127	140	30.47	31.02	1"	449	226.6	73.0	60.6
	GP-065*-180*/C2 HPA	1952	839	1113	672.5	353	240	273	70	65	330	145	185	70	370	80	350	305	165	190	80	90	14	443	544	260	127	140	4.20	4.27	1/4"	218	-26.6	73.0	54.9
	GP-065*-235*/C2 HPA	1957	839	1118	672.5	358	310	273	70	65	365	145	220	70	405	80	350	305	165	190	80	90	14	443	549	260	127	140	7.15	7.28	1/2"	249	26.0	73.0	56.4
	GP-065*-280*/C2 HPA	1967	839	1128	672.5	368	355	273	70	65	388	145	243	70	478	80	350	305	165	190	80	140	18	443	559	260	127	140	10.16	10.34	1/2"	275	63.7	73.0	57.3
	GP-065*-335*/C2 HPA	1977	839	1138	672.5	378	415	273	70	65	418	145	273	70	498	70	350	305	165	190	80	140	18	443	569	260	127	140	14.52	14.78	1/2"	320	117.4	73.0	58.6
	GP-065*-385*/C2 HPA	1980	839	1141	672.5	381	465	273	70	65	443	145	298	70	583	80	350	305	165	190	80	190	25	443	572	260	127	140	19.21	19.56	1"	357	150.0	73.0	59.3
	GP-065*-435*/C2 HPA	1985	839	1146	672.5	386	515	273	70	65	468	145	323	70	608	80	350	305	165	190	80	190	25	443	577	260	127	140	24.50	24.95	1"	403	182.2	73.0	60.0
	GP-065*-485*/C2 HPA	1990	839	1151	672.5	391	570	273	70	65	495	145	350	70	665	80	350	305	165	190	80	220	32	443	582	260	127	140	30.47	31.02	1"	458	212.3	73.0	60.7
	GP-065*-180*/C3 HPA	1895	782	1113	615.5	353	240	323.9	70	65	330	145	185	70	370	80	350	305	165	190	80	90	14	462	544	260	127	140	4.20	4.27	1/4"	269	-102.2	73.0	57.1
	GP-065*-235*/C3 HPA	1900	782	1118	615.5	358	310	323.9	70	65	365	145	220	70	405	80	350	305	165	190	80	90	14	462	549	260	127	140	7.15	7.28	1/2"	300	-50.7	73.0	58.1
	GP-065*-280*/C3 HPA	1910	782	1128	615.5	368	355	323.9	70	65	388	145	243	70	478	80	350	305	165	190	80	140	18	462	559	260	127	140	10.16	10.34	1/2"	326	-12.8	73.0	58.7
	GP-065*-335*/C3 HPA	1920	782	1138	615.5	378	415	323.9	70	65	418	145	273	70	498	70	350	305	165	190	80	140	18	462	569	260	127	140	14.52	14.78	1/2"	371	42.8	73.0	59.5
	GP-065*-385*/C3 HPA	1923	782	1141	615.5	381	465	323.9	70	65	443	145	298	70	583	80	350	305	165	190	80	190	25	462	572	260	127	140	19.21	19.56	1"	408	78.1	73.0	60.1
	GP-065*-435*/C3 HPA	1928	782	1146	615.5	386	515	323.9	70	65	468	145	323	70	608	80	350	305	165	190	80	190	25	462	577	260	127	140	24.50	24.95	1"	454	113.9	73.0	60.6
	GP-065*-485*/C3 HPA	1933	782	1151	615.5	391	570	323.9	70	65	495	145	350	70	665	80	350	305	165	190	80	220	32	462	582	260	127	140	30.47	31.02	1"	509	148.4	73.0	61.1
	GP-065*-180*/C4 HPA	1866	753	1113	586.5	353	240	323.9	70	65	330	145	185	70	370	80	350	305	165	190	80	90	14	448	544	260	127	140	4.20	4.27	1/4"	268	-93.5	73.0	57.1
	GP-065*-235*/C4 HPA	1871	753	1118	586.5	358	310	323.9	70	65	365	145	220	70	405	80	350	305	165	190	80	90	14	448	549	260	127	140	7.15	7.28	1/2"	299	-42.7	73.0	58.0
	GP-065*-280*/C4 HPA	1881	753	1128	586.5	368	355	323.9	70	65	388	145	243	70	478	80	350	305	165	190	80	140	18	448	559	260	127	140	10.16	10.34	1/2"	325	-5.3	73.0	58.7
	GP-065*-335*/C4 HPA	1891	753	1138	586.5	378	415	323.9	70	65	418	145	273	70	498	70	350	305	165	190	80	140	18	448	569	260	127	140	14.52	14.78	1/2"	370	49.5	73.0	59.5
	GP-065*-385*/C4 HPA	1894	753	1141	586.5	381	465	323.9	70	65	443	145	298	70	583	80	350	305	165	190	80	190	25	448	572	260	127	140	19.21	19.56	1"	407	84.2	73.0	60.1
	GP-065*-435*/C4 HPA	1899	753	1146	586.5	386	515	323.9	70	65	468	145	323	70	608	80	350	305	165	190	80	190	25	448	577	260	127	140	24.50	24.95	1"	453	119.6	73.0	60.6
	GP-065*-485*/C4 HPA	1904	753	1151	586.5	391	570	323.9	70	65	495	145	350	70	665	80	350	305	165	190	80	220	32	448	582	260	127	140	30.47	31.02	1"	508	153.5	73.0	61.1

GP RANGE METRIC DIMENSION DATA
- SPRING RETURN FAIL CLOSE+ MANUAL OVERRIDE HPA - OGPCH00ADC REV.2

	ACTUATOR MODEL	ACTUATOR OVERALL DIMENSIONS (mm)																CARTER		SPOOL * (OPTIONAL)			LIFTING POINT		CLEARANCE FOR DISASSEMBLY			DISPLACEMENT (LITRES)		X	weight	CENTER GRAVITY			
		A	B	C	B2	C2	ØE	F	F1	G	H	K	L	N	P	Q	R	S	AL	AR	M1	M (OPTIONAL)	Weight	B3	C3	ES	EC	ET	Simmetric	Canted	(NPT)	(Kg)	XG	ZG	YG
GP 085 - CARTER CAST IRON - FLANGE TYPE ISO F25	GP-085*-180*/C1 HPA	2012	869	1143	673	353	240	273	70	85	335	130	205	70	370	80	350	305	195	220	80	90	14	473	574	305	147	140	5.47	5.60	1/4"	239	-4.4	74.0	70.6
	GP-085*-235*/C1 HPA	2017	869	1148	673	358	310	273	70	85	370	130	240	70	405	80	350	305	195	220	80	90	14	473	579	305	147	140	9.32	9.54	1/2"	270	45.1	74.0	72.5
	GP-085*-280*/C1 HPA	2027	869	1158	673	368	355	273	70	85	393	130	263	70	478	80	350	305	195	220	80	140	18	473	589	305	147	140	13.23	13.54	1/2"	296	81.1	74.0	73.8
	GP-085*-335*/C1 HPA	2037	869	1168	673	378	415	273	70	85	423	130	293	70	498	70	350	305	195	220	80	140	18	473	599	305	147	140	18.92	19.36	1/2"	341	133.1	74.0	75.5
	GP-085*-385*/C1 HPA	2040	869	1171	673	381	465	273	70	85	448	130	318	70	583	80	350	305	195	220	80	190	25	473	602	305	147	140	25.03	25.61	1"	378	165.3	74.0	76.5
	GP-085*-435*/C1 HPA	2045	869	1176	673	386	515	273	70	85	473	130	343	70	608	80	350	305	195	220	80	190	25	473	607	305	147	140	31.93	32.67	1"	424	197.5	74.0	77.5
	GP-085*-485*/C1 HPA	2050	869	1181	673	391	570	273	70	85	500	130	370	70	665	80	350	305	195	220	80	220	32	473	612	305	147	140	39.70	40.62	1"	479	227.9	74.0	78.4
	GP-085*-535*/C1 HPA	2055	869	1186	673	396	620	273	70	85	525	130	395	70	720	80	350	305	195	220	80	250	40	473	617	305	147	140	48.76	49.50	3/4"	528	251.6	74.0	79.1
	GP-085*-180*/C2 HPA	2012	869	1143	673	353	240	273	70	85	335	130	205	70	370	80	350	305	195	220	80	90	14	473	574	305	147	140	5.47	5.60	1/4"	248	-23.5	74.0	71.2
	GP-085*-235*/C2 HPA	2017	869	1148	673	358	310	273	70	85	370	130	240	70	405	80	350	305	195	220	80	90	14	473	579	305	147	140	9.32	9.54	1/2"	279	26.5	74.0	73.0
	GP-085*-280*/C2 HPA	2027	869	1158	673	368	355	273	70	85	393	130	263	70	478	80	350	305	195	220	80	140	18	473	589	305	147	140	13.23	13.54	1/2"	305	63.0	74.0	74.2
	GP-085*-335*/C2 HPA	2037	869	1168	673	378	415	273	70	85	423	130	293	70	498	70	350	305	195	220	80	140	18	473	599	305	147	140	18.92	19.36	1/2"	350	116.1	74.0	75.7
	GP-085*-385*/C2 HPA	2040	869	1171	673	381	465	273	70	85	448	130	318	70	583	80	350	305	195	220	80	190	25	473	602	305	147	140	25.03	25.61	1"	387	149.1	74.0	76.7
	GP-085*-435*/C2 HPA	2045	869	1176	673	386	515	273	70	85	473	130	343	70	608	80	350	305	195	220	80	190	25	473	607	305	147	140	31.93	32.67	1"	433	182.3	74.0	77.7
	GP-085*-485*/C2 HPA	2050	869	1181	673	391	570	273	70	85	500	130	370	70	665	80	350	305	195	220	80	220	32	473	612	305	147	140	39.70	40.62	1"	488	213.9	74.0	78.6
	GP-085*-535*/C2 HPA	2055	869	1186	673	396	620	273	70	85	525	130	395	70	720	80	350	305	195	220	80	250	40	473	617	305	147	140	48.76	49.50	3/4"	537	238.5	74.0	79.2
	GP-085*-180*/C3 HPA	2025	882	1143	686	353	240	323.9	70	85	335	130	205	70	370	80	350	305	195	220	80	90	14	519	574	305	147	140	5.47	5.60	1/4"	303	-118.7	74.0	74.1
	GP-085*-235*/C3 HPA	2030	882	1148	686	358	310	323.9	70	85	370	130	240	70	405	80	350	305	195	220	80	90	14	519	579	305	147	140	9.32	9.54	1/2"	334	-68.1	74.0	75.2
	GP-085*-280*/C3 HPA	2040	882	1158	686	368	355	323.9	70	85	393	130	263	70	478	80	350	305	195	220	80	140	18	519	589	305	147	140	13.23	13.54	1/2"	360	-30.3	74.0	76.0
	GP-085*-335*/C3 HPA	2050	882	1168	686	378	415	323.9	70	85	423	130	293	70	498	70	350	305	195	220	80	140	18	519	599	305	147	140	18.92	19.36	1/2"	405	25.9	74.0	77.1
	GP-085*-385*/C3 HPA	2053	882	1171	686	381	465	323.9	70	85	448	130	318	70	583	80	350	305	195	220	80	190	25	519	602	305	147	140	25.03	25.61	1"	442	62.4	74.0	77.8
	GP-085*-435*/C3 HPA	2058	882	1176	686	386	515	323.9	70	85	473	130	343	70	608	80	350	305	195	220	80	190	25	519	607	305	147	140	31.93	32.67	1"	488	100.0	74.0	78.6
	GP-085*-485*/C3 HPA	2063	882	1181	686	391	570	323.9	70	85	500	130	370	70	665	80	350	305	195	220	80	220	32	519	612	305	147	140	39.70	40.62	1"	543	136.8	74.0	79.3
	GP-085*-535*/C3 HPA	2068	882	1186	686	396	620	323.9	70	85	525	130	395	70	720	80	350	305	195	220	80	250	40	519	617	305	147	140	48.76	49.50	3/4"	592	165.4	74.0	79.8
	GP-085*-180*/C4 HPA	2025	882	1143	686	353	240	323.9	70	85	335	130	205	70	370	80	350	305	195	220	80	90	14	496	574	305	147	140	5.47	5.60	1/4"	313	-132.0	74.0	74.5
	GP-085*-235*/C4 HPA	2030	882	1148	686	358	310	323.9	70	85	370	130	240	70	405	80	350	305	195	220	80	90	14	496	579	305	147	140	9.32	9.54	1/2"	344	-81.7	74.0	75.6
	GP-085*-280*/C4 HPA	2040	882	1158	686	368	355	323.9	70	85	393	130	263	70	478	80	350	305	195	220	80	140	18	496	589	305	147	140	13.23	13.54	1/2"	370	-44.0	74.0	76.2
	GP-085*-335*/C4 HPA	2050	882	1168	686	378	415	323.9	70	85	423	130	293	70	498	70	350	305	195	220	80	140	18	496	599	305	147	140	18.92	19.36	1/2"	415	12.3	74.0	77.3
	GP-085*-385*/C4 HPA	2053	882	1171	686	381	465	323.9	70	85	448	130	318	70	583	80	350	305	195	220	80	190	25	496	602	305	147	140	25.03	25.61	1"	452	49.1	74.0	78.0
	GP-085*-435*/C4 HPA	2058	882	1176	686	386	515	323.9	70	85	473	130	343	70	608	80	350	305	195	220	80	190	25	496	607	305	147	140	31.93	32.67	1"	498	87.2	74.0	78.7
	GP-085*-485*/C4 HPA	2063	882	1181	686	391	570	323.9	70	85	500	130	370	70	665	80	350	305	195	220	80	220	32	496	612	305	147	140	39.70	40.62	1"	553	124.6	74.0	79.4
	GP-085*-535*/C4 HPA	2068	882	1186	686	396	620	323.9	70	85	525	130	395	70	720	80	350	305	195	220	80	250	40	496	617	305	147	140	48.76	49.50	3/4"	602	153.8	74.0	79.9
	GP-085*-180*/C5 HPA	2025	882	1143	686	353	240	323.9	70	85	335	130	205	70	370	80	350	305	195	220	80	90	14	496	574	305	147	140	5.47	5.60	1/4"	323	-144.6	74.0	74.9
	GP-085*-235*/C5 HPA	2030	882	1148	686	358	310	323.9	70	85	370	130	240	70	405	80	350	305	195	220	80	90	14	496	579	305	147	140	9.32	9.54	1/2"	354	-94.6	74.0	75.9
	GP-085*-280*/C5 HPA	2040	882	1158	6																														

	ACTUATOR MODEL	ACTUATOR OVERALL DIMENSIONS (mm)																CARTER		SPOOL * (OPTIONAL)		LIFTING POINT		CLEARANCE FOR DISASSEMBLY			DISPLACEMENT (LITRES)		X	weight	CENTER GRAVITY				
		A	B	C	B2	C2	ØE	F	F1	G	H	K	L	N	P	Q	R	S	AL	AR	M1	M (OPTIONAL)	Weight	B3	C3	ES	EC	ET	Simmetric	Canted	(NPT)	(Kg)	XG	ZG	YG
GP 130 - CARTER CARBON STEEL TYPE ISO F30	GP-130-335/C3 HPA	3362	1788	1574	1522	515	415	406.4	100	130	548	210	338	84	520	70	350	355	265	300	102	140	48	1017	816	415	200	176	28.95	29.57	1/2"	820	-394.6	91.3	118.1
	GP-130-385/C3 HPA	3362	1788	1574	1522	515	465	406.4	100	130	573	210	363	84	605	80	350	355	265	300	102	190	60	1017	816	415	200	176	38.30	39.11	1"	860	-345.5	91.3	118.7
	GP-130-435/C3 HPA	3367	1788	1579	1522	520	515	406.4	100	130	598	210	388	84	670	120	350	355	265	300	102	190	60	1017	821	415	200	176	48.86	49.90	1"	899	-305.3	91.3	119.3
	GP-130-485/C3 HPA	3372	1788	1584	1522	525	570	406.4	100	130	625	210	415	84	742	115	350	355	265	300	102	240	69	1017	826	415	200	176	60.75	62.04	1"	962	-242.7	91.3	120.0
	GP-130-535/C3 HPA	3372	1788	1584	1522	525	620	406.4	100	130	650	210	440	84	732	80	350	355	265	300	102	240	69	1017	826	415	200	176	73.92	75.49	1"	1001	-211.4	91.3	120.4
	GP-130-585/C3 HPA	3372	1788	1584	1522	525	680	406.4	100	130	680	210	470	84	812	80	350	355	265	300	102	290	80	1017	826	415	200	176	88.38	90.26	1"	1076	-152.1	91.3	121.2
	GP-130-635/C3 HPA	3387	1788	1599	1522	540	730	406.4	100	130	705	210	495	84	867	110	350	355	265	300	102	290	80	1017	841	415	200	176	104.13	106.34	1"	1194	-71.2	91.3	122.1
	GP-130-335/C4 HPA	3262	1688	1574	1422	515	415	406.4	100	130	548	210	338	84	520	70	350	355	265	300	102	140	48	967	816	415	200	176	28.95	29.57	1/2"	780	-335.3	91.3	117.5
	GP-130-385/C4 HPA	3262	1688	1574	1422	515	465	406.4	100	130	573	210	363	84	605	80	350	355	265	300	102	190	60	967	816	415	200	176	38.30	39.11	1"	820	-286.7	91.3	118.1
	GP-130-435/C4 HPA	3267	1688	1579	1422	520	515	406.4	100	130	598	210	388	84	670	120	350	355	265	300	102	190	60	967	821	415	200	176	48.86	49.90	1"	859	-247.2	91.3	118.7
	GP-130-485/C4 HPA	3272	1688	1584	1422	525	570	406.4	100	130	625	210	415	84	742	115	350	355	265	300	102	240	69	967	826	415	200	176	60.75	62.04	1"	922	-186.0	91.3	119.6
	GP-130-535/C4 HPA	3272	1688	1584	1422	525	620	406.4	100	130	650	210	440	84	732	80	350	355	265	300	102	240	69	967	826	415	200	176	73.92	75.49	1"	961	-155.6	91.3	120.0
	GP-130-585/C4 HPA	3272	1688	1584	1422	525	680	406.4	100	130	680	210	470	84	812	80	350	355	265	300	102	290	80	967	826	415	200	176	88.38	90.26	1"	1036	-98.0	91.3	120.8
	GP-130-635/C4 HPA	3287	1688	1599	1422	540	730	406.4	100	130	705	210	495	84	867	110	350	355	265	300	102	290	80	967	841	415	200	176	104.13	106.34	1"	1154	-19.9	91.3	121.8
GP 130 - CARTER CAST IRON - FLANGE TYPE ISO F30	GP-130-335/C1 HPA	2855	1275	1580	1003	515	415	457.2	100	130	496	158	338	99	531	70	350	355	271	306	113	140	48	689	822	424	204	202	28.95	29.57	1/2"	790	-191.4	106.0	122.4
	GP-130-385/C1 HPA	2855	1275	1580	1003	515	465	457.2	100	130	521	158	363	99	616	80	350	355	271	306	113	190	60	689	822	424	204	202	38.30	39.11	1"	830	-150.1	106.0	122.8
	GP-130-435/C1 HPA	2860	1275	1585	1003	520	515	457.2	100	130	546	158	388	99	681	120	350	355	271	306	113	190	60	689	827	424	204	202	48.86	49.90	1"	869	-116.9	106.0	123.2
	GP-130-485/C1 HPA	2865	1275	1590	1003	525	570	457.2	100	130	573	158	415	99	753	115	350	355	271	306	113	240	69	689	832	424	204	202	60.75	62.04	1"	932	-64.7	106.0	123.7
	GP-130-535/C1 HPA	2865	1275	1590	1003	525	620	457.2	100	130	598	158	440	99	743	80	350	355	271	306	113	240	69	689	832	424	204	202	73.92	75.49	1"	971	-39.2	106.0	123.9
	GP-130-585/C1 HPA	2865	1275	1590	1003	525	680	457.2	100	130	628	158	470	99	823	80	350	355	271	306	113	290	80	689	832	424	204	202	88.38	90.26	1"	1046	9.9	106.0	124.4
	GP-130-635/C1 HPA	2880	1275	1605	1003	540	730	457.2	100	130	653	158	495	99	878	110	350	355	271	306	113	290	80	689	847	424	204	202	104.13	106.34	1"	1164	77.0	106.0	125.0
	GP-130-685/C1 HPA	2932	1275	1657	1003	565	780	457.2	100	130	678	158	520	99	918	95	350	355	271	306	113	320	85	689	872	424	204	202	121.18	123.76	1"	1249	123.3	106.0	125.4
	GP-130-735/C1 HPA	2948	1275	1673	1003	581	840	457.2	100	130	708	158	550	99	948	95	350	355	271	306	113	320	85	689	888	424	204	202	139.50	142.46	1"	1406	187.9	106.0	125.9
	GP-130-335/C2 HPA	2855	1275	1580	1003	515	415	457.2	100	130	496	158	338	99	531	70	350	355	271	306	113	140	48	689	822	424	204	202	28.95	29.57	1/2"	815	-209.2	106.0	122.7
	GP-130-385/C2 HPA	2855	1275	1580	1003	515	465	457.2	100	130	521	158	363	99	616	80	350	355	271	306	113	190	60	689	822	424	204	202	38.30	39.11	1"	855	-168.3	106.0	123.1
	GP-130-435/C2 HPA	2860	1275	1585	1003	520	515	457.2	100	130	546	158	388	99	681	120	350	355	271	306	113	190	60	689	827	424	204	202	48.86	49.90	1"	894	-135.2	106.0	123.4
	GP-130-485/C2 HPA	2865	1275	1590	1003	525	570	457.2	100	130	573	158	415	99	753	115	350	355	271	306	113	240	69	689	832	424	204	202	60.75	62.04	1"	957	-83.2	106.0	123.8
	GP-130-535/C2 HPA	2865	1275	1590	1003	525	620	457.2	100	130	598	158	440	99	743	80	350	355	271	306	113	240	69	689	832	424	204	202	73.92	75.49	1"	996	-57.6	106.0	124.1
	GP-130-585/C2 HPA	2865	1275	1590	1003	525	680	457.2	100	130	628	158	470	99	823	80	350	355	271	306	113	290	80	689	832	424	204	202	88.38	90.26	1"	1071	8.4	106.0	124.6
	GP-130-635/C2 HPA	2880	1275	1605	1003	540	730	457.2	100	130	653	158	495	99	878	110	350	355	271	306	113	290	80	689	847	424	204	202	104.13	106.34	1"	1189	59.2	106.0	125.1
	GP-130-685/C2 HPA	2932	1275	1657	1003	565	780	457.2	100	130	678	158	520	99	918	95	350	355	271	306	113	320	85	689	872	424	204	202	121.18	123.76	1"	1274	105.7	106.0	125.5
	GP-130-735/C2 HPA	2948	1275	1673	1003	581	840	457.2	100	130	708	158	550	99	948	95	350	355	271	306	113	320	85	689	888	424	204	202	139.50	142.46	1"	1431	171.1	106.0	126.0
	GP-130-335/C3 HPA	3374	1794	1580	1522	515	415	406.4	100	130	496	158	338	99	531	70	350	355	271	306	113	140	48	1023	822	424	204	202	28.95	29.57	1/2"	860	-377.5	106.0	123.1
	GP-130-385/C3 HPA	3374	1794	1580	1522	515	465	406.4	100	130	5215																								



GP RANGE METRIC DIMENSION DATA
- SPRING RETURN FAIL CLOSE+ MANUAL OVERRIDE HPA - OGPCH00ADC REV.2

	ACTUATOR MODEL	ACTUATOR OVERALL DIMENSIONS (mm)																CARTER		SPOOL * (OPTIONAL)		LIFTING POINT		CLEARANCE FOR DISASSEMBLY			DISPLACEMENT (LITRES)		X	weight	CENTER GRAVITY				
		A	B	C	B2	C2	ØE	F	F1	G	H	K	L	N	P	Q	R	S	AL	AR	M1	M	Weight	B3	C3	ES	EC	ET	Simmetric	Canted	(NPT)	(Kg)	XG	ZG	YG
CP 160 - CARTER CARBON STEEL - FLANGE TYPE ISO F35	GP-160°-385°/C0 HPA	3234	1440	1794	1099	597	465	609.6	100	160	633	240	393	105	580	80	350	355	340	380	127	140	60	977	978	530	253	222	47.49	48.19	1"	1094	-275.3	113.9	146.2
	GP-160°-435°/C0 HPA	3234	1440	1794	1099	597	515	609.6	100	160	658	240	418	105	640	115	350	355	340	380	127	140	60	977	978	530	253	222	60.59	61.48	1"	1140	-234.7	113.9	146.8
	GP-160°-485°/C0 HPA	3234	1440	1794	1099	597	570	609.6	100	160	685	240	445	105	682	80	350	355	340	380	127	190	75	977	978	530	253	222	75.34	76.45	1"	1183	-204.0	113.9	147.3
	GP-160°-535°/C0 HPA	3239	1440	1799	1099	602	620	609.6	100	160	710	240	470	105	787	110	350	355	340	380	127	240	87	977	983	530	253	222	91.67	93.02	1"	1247	-150.9	113.9	148.0
	GP-160°-585°/C0 HPA	3239	1440	1799	1099	602	680	609.6	100	160	740	240	500	105	807	100	350	355	340	380	127	240	87	977	983	530	253	222	109.61	111.22	1"	1325	-99.0	113.9	148.7
	GP-160°-635°/C0 HPA	3249	1440	1809	1099	612	730	609.6	100	160	765	240	525	105	892	110	350	355	340	380	127	290	98	977	993	530	253	222	129.13	131.03	1"	1426	-35.7	113.9	149.6
	GP-160°-685°/C0 HPA	3249	1440	1809	1099	612	780	609.6	100	160	790	240	550	105	947	110	350	355	340	380	127	320	105	977	993	530	253	222	150.28	152.49	1"	1508	6.5	113.9	150.2
	GP-160°-735°/C0 HPA	3264	1440	1824	1099	627	840	609.6	100	160	820	240	580	105	962	95	350	355	340	380	127	320	105	977	1008	530	253	222	172.99	175.54	1"	1658	78.9	113.9	151.1
	GP-160°-785°/C0 HPA	3268	1440	1828	1099	631	890	609.6	100	160	845	240	605	105	1027	95	350	355	340	380	127	360	115	977	1012	530	253	222	197.39	200.29	1"	1768	124.5	113.9	151.7
	GP-160°-835°/C0 HPA	3444	1440	2004	1099	686	940	609.6	100	160	870	240	630	105	1097	140	350	355	340	380	127	360	115	977	1067	530	253	222	223.34	226.62	1"	2037	237.4	113.9	152.6
	GP-160°-385°/C1 HPA	3591	1797	1794	1456	597	465	406.4	100	160	633	240	393	105	580	80	350	355	340	380	127	140	60	1059	978	530	253	222	47.49	48.19	1"	934	-252.1	113.9	143.7
	GP-160°-435°/C1 HPA	3591	1797	1794	1456	597	515	406.4	100	160	658	240	418	105	640	115	350	355	340	380	127	140	60	1059	978	530	253	222	60.59	61.48	1"	980	-206.0	113.9	144.5
	GP-160°-485°/C1 HPA	3591	1797	1794	1456	597	570	406.4	100	160	685	240	445	105	682	80	350	355	340	380	127	190	75	1059	978	530	253	222	75.34	76.45	1"	1023	-171.7	113.9	145.2
	GP-160°-535°/C1 HPA	3596	1797	1799	1456	602	620	406.4	100	160	710	240	470	105	787	110	350	355	340	380	127	240	87	1059	983	530	253	222	91.67	93.02	1"	1087	-112.7	113.9	146.1
	GP-160°-585°/C1 HPA	3596	1797	1799	1456	602	680	406.4	100	160	740	240	500	105	807	100	350	355	340	380	127	240	87	1059	983	530	253	222	109.61	111.22	1"	1165	-56.2	113.9	147.1
	GP-160°-635°/C1 HPA	3606	1797	1809	1456	612	730	406.4	100	160	765	240	525	105	892	110	350	355	340	380	127	290	98	1059	993	530	253	222	129.13	131.03	1"	1266	11.6	113.9	148.2
	GP-160°-685°/C1 HPA	3606	1797	1809	1456	612	780	406.4	100	160	790	240	550	105	947	110	350	355	340	380	127	320	105	1059	993	530	253	222	150.28	152.49	1"	1348	56.0	113.9	148.9
	GP-160°-735°/C1 HPA	3621	1797	1824	1456	627	840	406.4	100	160	820	240	580	105	962	95	350	355	340	380	127	320	105	1059	1008	530	253	222	172.99	175.54	1"	1498	131.1	113.9	150.1
	GP-160°-785°/C1 HPA	3625	1797	1828	1456	631	890	406.4	100	160	845	240	605	105	1027	95	350	355	340	380	127	360	115	1059	1012	530	253	222	197.39	200.29	1"	1608	177.7	113.9	150.8
	GP-160°-835°/C1 HPA	3801	1797	2004	1456	686	940	406.4	100	160	870	240	630	105	1097	140	350	355	340	380	127	360	115	1059	1067	530	253	222	223.34	226.62	1"	1877	292.6	113.9	151.9
	GP-160°-385°/C2 HPA	3828	2034	1794	1693	597	465	609.6	100	160	633	240	393	105	580	80	350	355	340	380	127	140	60	1181	978	530	253	222	47.49	48.19	1"	1424	-609.5	113.9	149.6
	GP-160°-435°/C2 HPA	3828	2034	1794	1693	597	515	609.6	100	160	658	240	418	105	640	115	350	355	340	380	127	140	60	1181	978	530	253	222	60.59	61.48	1"	1470	-567.6	113.9	149.9
	GP-160°-485°/C2 HPA	3828	2034	1794	1693	597	570	609.6	100	160	685	240	445	105	682	80	350	355	340	380	127	190	75	1181	978	530	253	222	75.34	76.45	1"	1513	-534.1	113.9	150.2
	GP-160°-535°/C2 HPA	3833	2034	1799	1693	602	620	609.6	100	160	710	240	470	105	787	110	350	355	340	380	127	240	87	1181	983	530	253	222	91.67	93.02	1"	1577	-478.7	113.9	150.6
	GP-160°-585°/C2 HPA	3833	2034	1799	1693	602	680	609.6	100	160	740	240	500	105	807	100	350	355	340	380	127	240	87	1181	983	530	253	222	109.61	111.22	1"	1655	-421.7	113.9	151.1
	GP-160°-635°/C2 HPA	3843	2034	1809	1693	612	730	609.6	100	160	765	240	525	105	892	110	350	355	340	380	127	290	98	1181	993	530	253	222	129.13	131.03	1"	1756	-351.8	113.9	151.6
	GP-160°-685°/C2 HPA	3843	2034	1809	1693	612	780	609.6	100	160	790	240	550	105	947	110	350	355	340	380	127	320	105	1181	993	530	253	222	150.28	152.49	1"	1838	-303.0	113.9	152.0
	GP-160°-735°/C2 HPA	3858	2034	1824	1693	627	840	609.6	100	160	820	240	580	105	962	95	350	355	340	380	127	320	105	1181	1008	530	253	222	172.99	175.54	1"	1988	-219.3	113.9	152.6
	GP-160°-785°/C2 HPA	3862	2034	1828	1693	631	890	609.6	100	160	845	240	605	105	1027	95	350	355	340	380	127	360	115	1181	1012	530	253	222	197.39	200.29	1"	2098	-185.2	113.9	153.0
	GP-160°-835°/C2 HPA	4038	2034	2004	1693	686	940	609.6	100	160	870	240	630	105	1097	140	350	355	340	380	127	360	115	1181	1067	530	253	222	223.34	226.62	1"	2367	-35.2	113.9	153.7
	GP-160°-385°/C3 HPA	3658	1864	1794	1523	597	465	609.6	100	160	633	240	393	105	580	80	350	355	340	380	127	140	60	1097	978	530	253	222	47.49	48.19	1"	1387	-540.0	113.9	149.3
	GP-160°-435°/C3 HPA	3658	1864	1794	1523	597	515	609.6	100	160	658	240	418	105	640	115	350	355	340	380	127	140	60	1097	978	530	253	222	60.59	61.48	1"	1433	-499.2	113.9	149.6
GP-160°-485°/C3 HPA	3658	1864	1794	1523	597	570	609.6	100	160	685	240	445	105	682	80	350	355	340	380	127	190	75	1097	978	530	253	222	75.34	76.45	1"	1476	-466.9	113.9	149.9	
GP-160°-535°/C3 HPA	3																																		

ACTUATOR MODEL	ACTUATOR OVERALL DIMENSIONS (mm)																	CARTER		SPOOL * (OPTIONAL)			LIFTING POINT		CLEARANCE FOR DISASSEMBLY			DISPLACEMENT (LITRES)		X	weight	CENTER GRAVITY			
	A	B	C	B2	C2	ØE	F	F1	G	H	K	L	N	P	Q	R	S	AL	AR	M1	M	Weight	B3	C3	ES	EC	ET	Symmetric	Canted	(NPT)	(Kg)	XG	ZG	YG	
	GP-161*-385*/C0 HPA	3234	1440	1794	1099	597	465	609.6	100	160	633	240	393	145	603	80	350	355	340	380	150	140	60	977	978	530	253	285	47.49	48.19	1"	1174	-255.8	136.3	142.6
	GP-161*-435*/C0 HPA	3234	1440	1794	1099	597	515	609.6	100	160	658	240	418	145	663	115	350	355	340	380	150	140	60	977	978	530	253	285	60.59	61.48	1"	1220	-218.6	136.3	143.2
	GP-161*-485*/C0 HPA	3234	1440	1794	1099	597	570	609.6	100	160	685	240	445	145	705	80	350	355	340	380	150	190	75	977	978	530	253	285	75.34	76.45	1"	1263	-190.5	136.3	143.8
	GP-161*-535*/C0 HPA	3239	1440	1799	1099	602	620	609.6	100	160	710	240	470	145	810	110	350	355	340	380	150	240	87	977	983	530	253	285	91.67	93.02	1"	1327	-141.2	136.3	144.7
	GP-161*-585*/C0 HPA	3239	1440	1799	1099	602	680	609.6	100	160	740	240	500	145	830	100	350	355	340	380	150	240	87	977	983	530	253	285	109.61	111.22	1"	1405	-92.8	136.3	145.6
	GP-161*-635*/C0 HPA	3249	1440	1809	1099	612	730	609.6	100	160	765	240	525	145	915	110	350	355	340	380	150	290	98	977	993	530	253	285	129.13	131.03	1"	1506	-33.3	136.3	146.6
	GP-161*-685*/C0 HPA	3249	1440	1809	1099	612	780	609.6	100	160	790	240	550	145	970	110	350	355	340	380	150	320	105	977	993	530	253	285	150.28	152.49	1"	1588	6.7	136.3	147.3
	GP-161*-735*/C0 HPA	3264	1440	1824	1099	627	840	609.6	100	160	820	240	580	145	985	95	350	355	340	380	150	320	105	977	1008	530	253	285	172.99	175.54	1"	1738	75.7	136.3	148.4
	GP-161*-785*/C0 HPA	3268	1440	1828	1099	631	890	609.6	100	160	845	240	605	145	1050	95	350	355	340	380	150	360	115	977	1012	530	253	285	197.39	200.29	1"	1848	119.5	136.3	149.1
	GP-161*-835*/C0 HPA	3444	1440	2004	1099	686	940	609.6	100	160	870	240	630	145	1120	140	350	355	340	380	150	360	115	977	1067	530	253	285	223.34	226.62	1"	2117	228.8	136.3	150.3
	GP-161*-935*/C0 HPA	3479	1440	2039	1099	721	1040	609.6	100	160	920	240	680	145	1205	135	350	355	340	380	150	400	130	977	1102	530	253	285	280.01	284.13	1"	2358	303.6	136.3	151.3
	GP-161*-385*/C1 HPA	3591	1797	1794	1456	597	465	406.4	100	160	633	240	393	145	603	80	350	355	340	380	150	140	60	1059	978	530	253	285	47.49	48.19	1"	1014	-231.4	136.3	139.6
	GP-161*-435*/C1 HPA	3591	1797	1794	1456	597	515	406.4	100	160	658	240	418	145	663	115	350	355	340	380	150	140	60	1059	978	530	253	285	60.59	61.48	1"	1060	-189.7	136.3	140.6
	GP-161*-485*/C1 HPA	3591	1797	1794	1456	597	570	406.4	100	160	685	240	445	145	705	80	350	355	340	380	150	190	75	1059	978	530	253	285	75.34	76.45	1"	1103	-158.6	136.3	141.4
	GP-161*-535*/C1 HPA	3596	1797	1799	1456	602	620	406.4	100	160	710	240	470	145	810	110	350	355	340	380	150	240	87	1059	983	530	253	285	91.67	93.02	1"	1167	-104.3	136.3	142.4
	GP-161*-585*/C1 HPA	3596	1797	1799	1456	602	680	406.4	100	160	740	240	500	145	830	100	350	355	340	380	150	240	87	1059	983	530	253	285	109.61	111.22	1"	1245	-51.9	136.3	143.6
	GP-161*-635*/C1 HPA	3606	1797	1809	1456	612	730	406.4	100	160	765	240	525	145	915	110	350	355	340	380	150	290	98	1059	993	530	253	285	129.13	131.03	1"	1346	11.5	136.3	144.9
	GP-161*-685*/C1 HPA	3606	1797	1809	1456	612	780	406.4	100	160	790	240	550	145	970	110	350	355	340	380	150	320	105	1059	993	530	253	285	150.28	152.49	1"	1428	53.5	136.3	145.8
	GP-161*-735*/C1 HPA	3621	1797	1824	1456	627	840	406.4	100	160	820	240	580	145	985	95	350	355	340	380	150	320	105	1059	1008	530	253	285	172.99	175.54	1"	1578	125.0	136.3	147.2
	GP-161*-785*/C1 HPA	3625	1797	1828	1456	631	890	406.4	100	160	845	240	605	145	1050	95	350	355	340	380	150	360	115	1059	1012	530	253	285	197.39	200.29	1"	1688	169.8	136.3	148.1
	GP-161*-835*/C1 HPA	3801	1797	2004	1456	686	940	406.4	100	160	870	240	630	145	1120	140	350	355	340	380	150	360	115	1059	1067	530	253	285	223.34	226.62	1"	1957	281.1	136.3	149.4
	GP-161*-935*/C1 HPA	3836	1797	2039	1456	721	1040	406.4	100	160	920	240	680	145	1205	135	350	355	340	380	150	400	130	1059	1102	530	253	285	280.01	284.13	1"	2198	355.5	136.3	150.7
	GP-161*-385*/C2 HPA	3828	2034	1794	1693	597	465	609.6	100	160	633	240	393	145	603	80	350	355	340	380	150	140	60	1181	978	530	253	285	47.49	48.19	1"	1504	-576.5	136.3	146.6
	GP-161*-435*/C2 HPA	3828	2034	1794	1693	597	515	609.6	100	160	658	240	418	145	663	115	350	355	340	380	150	140	60	1181	978	530	253	285	60.59	61.48	1"	1550	-537.8	136.3	147.0
	GP-161*-485*/C2 HPA	3828	2034	1794	1693	597	570	609.6	100	160	685	240	445	145	705	80	350	355	340	380	150	190	75	1181	978	530	253	285	75.34	76.45	1"	1593	-506.8	136.3	147.3
	GP-161*-535*/C2 HPA	3833	2034	1799	1693	602	620	609.6	100	160	710	240	470	145	810	110	350	355	340	380	150	240	87	1181	983	530	253	285	91.67	93.02	1"	1657	-455.1	136.3	147.8
	GP-161*-585*/C2 HPA	3833	2034	1799	1693	602	680	609.6	100	160	740	240	500	145	830	100	350	355	340	380	150	240	87	1181	983	530	253	285	109.61	111.22	1"	1735	-401.8	136.3	148.4
	GP-161*-635*/C2 HPA	3843	2034	1809	1693	612	730	609.6	100	160	765	240	525	145	915	110	350	355	340	380	150	290	98	1181	993	530	253	285	129.13	131.03	1"	1836	-336.0	136.3	149.1
	GP-161*-685*/C2 HPA	3843	2034	1809	1693	612	780	609.6	100	160	790	240	550	145	970	110	350	355	340	380	150	320	105	1181	993	530	253	285	150.28	152.49	1"	1918	-289.0	136.3	149.6
	GP-161*-735*/C2 HPA	3858	2034	1824	1693	627	840	609.6	100	160	820	240	580	145	985	95	350	355	340	380	150	320	105	1181	1008	530	253	285	172.99	175.54	1"	2068	-210.4	136.3	150.3
	GP-161*-785*/C2 HPA	3862	2034	1828	1693	631	890	609.6	100	160	845	240	605	145	1050	95	350	355	340	380	150	360	115	1181	1012	530	253	285	197.39	200.29	1"	2178	-158.8	136.3	150.8
	GP-161*-835*/C2 HPA	4038	2034	2004	1693	686	940	609.6	100	160	870	240	630	145	1120	1																			

GP RANGE METRIC DIMENSION DATA
- SPRING RETURN FAIL CLOSE+ MANUAL OVERRIDE HPA - OGPCH00ADC REV.2

	ACTUATOR MODEL	ACTUATOR OVERALL DIMENSIONS (mm)																	CARTER		SPOOL * (OPTIONAL)			LIFTING POINT		CLEARANCE FOR DISASSEMBLY			DISPLACEMENT (LITRES)		X	weight	CENTER GRAVITY		
		A	B	C	B2	C2	ØE	F	F1	G	H	K	L	N	P	Q	R	S	AL	AR	M1	M	Weight	B3	C3	ES	EC	ET	Simmetric	Canted	(NPT)	(Kg)	XG	ZG	YG
GP 200 - CARTER CARBON STEEL - FLANGE TYPE ISO F40	GP-200*-485*/C1 HPA	4097	1943	2154	1517	741	570	609.6	100	200	765	280	485	128	708	80	385	355	425	475	153	190	125	1165	1217	663	317	271	93.43	95.46	1"	1946	-377.9	137.9	180.9
	GP-200*-535*/C1 HPA	4102	1943	2159	1517	746	620	609.6	100	200	790	280	510	128	723	70	385	355	425	475	153	190	125	1165	1222	663	317	271	113.69	116.16	1"	2024	-327.5	137.9	181.7
	GP-200*-585*/C1 HPA	4102	1943	2159	1517	746	680	609.6	100	200	820	280	540	128	833	100	385	355	425	475	153	240	145	1165	1222	663	317	271	135.93	138.89	1"	2116	-272.7	137.9	182.6
	GP-200*-635*/C1 HPA	4102	1943	2159	1517	746	730	609.6	100	200	845	280	565	128	868	110	385	355	425	475	153	240	145	1165	1222	663	317	271	160.15	163.63	1"	2187	-233.8	137.9	183.1
	GP-200*-685*/C1 HPA	4102	1943	2159	1517	746	780	609.6	100	200	870	280	590	128	943	110	385	355	425	475	153	290	162	1165	1222	663	317	271	186.38	190.43	1"	2276	-189.0	137.9	183.8
	GP-200*-735*/C1 HPA	4112	1943	2169	1517	756	840	609.6	100	200	900	280	620	128	958	95	385	355	425	475	153	290	162	1165	1232	663	317	271	214.54	219.21	1"	2411	-124.5	137.9	184.8
	GP-200*-785*/C1 HPA	4118	1943	2175	1517	762	890	609.6	100	200	925	280	645	128	1013	95	385	355	425	475	153	320	175	1165	1238	663	317	271	244.80	250.12	1"	2512	-77.1	137.9	185.4
	GP-200*-835*/C1 HPA	4127	1943	2184	1517	771	940	609.6	100	200	950	280	670	128	1123	140	385	425	425	475	153	360	190	1165	1247	663	317	271	276.98	283.01	1"	2722	4.1	137.9	186.6
	GP-200*-885*/C1 HPA	4127	1943	2184	1517	771	990	609.6	100	200	975	280	695	128	1148	140	385	425	425	475	153	360	190	1165	1247	663	317	271	311.10	317.87	1"	2817	36.4	137.9	187.1
	GP-200*-935*/C1 HPA	4132	1943	2189	1517	776	1040	609.6	100	200	1000	280	720	128	1208	135	385	425	425	475	153	400	210	1165	1252	663	317	271	347.27	354.82	1"	2947	80.2	137.9	187.7
	GP-200*-937*/C1 HPA	4132	1943	2189	1517	776	1090	609.6	100	200	1025	280	745	128	1273	135	385	425	425	475	153	440	240	1165	1252	663	317	271	385.57	393.95	1"	2822	49.7	137.9	187.1
	GP-200*-940*/C1 HPA	4168	1943	2225	1517	812	1160	609.6	100	200	1060	280	780	128	1293	120	385	425	425	475	153	440	240	1165	1288	663	317	271	437.94	447.46	1"	3537	235.8	137.9	189.8
	GP-200*-965*/C1 HPA	4315	1943	2372	1517	959	1410	609.6	100	200	1185	280	905	128	1573	135	385	425	425	475	153	580	310	1165	1435	663	317	271	671.46	686.06	1"	4832	523.6	137.9	192.6
	GP-200*-485*/C2 HPA	4097	1943	2154	1517	741	570	609.6	100	200	765	280	485	128	708	80	385	355	425	475	153	190	125	1165	1217	663	317	271	93.43	95.46	1"	1999	-399.2	137.9	181.5
	GP-200*-535*/C2 HPA	4102	1943	2159	1517	746	620	609.6	100	200	790	280	510	128	723	70	385	355	425	475	153	190	125	1165	1222	663	317	271	113.69	116.16	1"	2077	-349.3	137.9	182.2
	GP-200*-585*/C2 HPA	4102	1943	2159	1517	746	680	609.6	100	200	820	280	540	128	833	100	385	355	425	475	153	240	145	1165	1222	663	317	271	135.93	138.89	1"	2169	-294.9	137.9	183.0
	GP-200*-635*/C2 HPA	4102	1943	2159	1517	746	730	609.6	100	200	845	280	565	128	868	110	385	355	425	475	153	240	145	1165	1222	663	317	271	160.15	163.63	1"	2240	-256.2	137.9	183.6
	GP-200*-685*/C2 HPA	4102	1943	2159	1517	746	780	609.6	100	200	870	280	590	128	943	110	385	355	425	475	153	290	162	1165	1222	663	317	271	186.38	190.43	1"	2329	-211.6	137.9	184.2
	GP-200*-735*/C2 HPA	4112	1943	2169	1517	756	840	609.6	100	200	900	280	620	128	958	95	385	355	425	475	153	290	162	1165	1232	663	317	271	214.54	219.21	1"	2464	-147.2	137.9	185.1
	GP-200*-785*/C2 HPA	4118	1943	2175	1517	762	890	609.6	100	200	925	280	645	128	1013	95	385	355	425	475	153	320	175	1165	1238	663	317	271	244.80	250.12	1"	2565	-100.0	137.9	185.8
	GP-200*-835*/C2 HPA	4127	1943	2184	1517	771	940	609.6	100	200	950	280	670	128	1123	140	385	425	425	475	153	360	190	1165	1247	663	317	271	276.98	283.01	1"	2775	-18.6	137.9	186.9
	GP-200*-885*/C2 HPA	4127	1943	2184	1517	771	990	609.6	100	200	975	280	695	128	1148	140	385	425	425	475	153	360	190	1165	1247	663	317	271	311.10	317.87	1"	2870	13.8	137.9	187.3
	GP-200*-935*/C2 HPA	4132	1943	2189	1517	776	1040	609.6	100	200	1000	280	720	128	1208	135	385	425	425	475	153	400	210	1165	1252	663	317	271	347.27	354.82	1"	3000	57.9	137.9	187.9
	GP-200*-937*/C2 HPA	4132	1943	2189	1517	776	1090	609.6	100	200	1025	280	745	128	1273	135	385	425	425	475	153	440	240	1165	1252	663	317	271	385.57	393.95	1"	2875	26.9	137.9	187.3
	GP-200*-940*/C2 HPA	4168	1943	2225	1517	812	1160	609.6	100	200	1060	280	780	128	1293	120	385	425	425	475	153	440	240	1165	1288	663	317	271	437.94	447.46	1"	3590	214.9	137.9	189.9
	GP-200*-965*/C2 HPA	4315	1943	2372	1517	959	1410	609.6	100	200	1185	280	905	128	1573	135	385	425	425	475	153	580	310	1165	1435	663	317	271	671.46	686.06	1"	4885	505.0	137.9	192.7
GP 201 - CARTER CARBON STEEL - FLANGE TYPE ISO F40	GP-201*-485*/C3 HPA	4694	2539	2155	2113	741	570	609.6	100	200	765	280	485	149	718	80	385	405	425	475	163	190	125	1463	1217	663	317	302	94.73	96.02	1"	2640	-677.5	147.8	183.9
	GP-201*-535*/C3 HPA	4699	2539	2160	2113	746	620	609.6	100	200	790	280	510	149	733	70	385	405	425	475	163	190	125	1463	1222	663	317	302	115.26	116.83	1"	2718	-631.3	147.8	184.4
	GP-201*-585*/C3 HPA	4699	2539	2160	2113	746	680	609.6	100	200	820	280	540	149	843	100	385	405	425	475	163	240	145	1463	1222	663	317	302	137.81	139.69	1"	2810	-580.1	147.8	184.9
	GP-201*-635*/C3 HPA	4699	2539	2160	2113	746	730	609.6	100	200	845	280	565	149	878	110	385	405	425	475	163	240	145	1463	1222	663	317	302	162.36	164.58	1"	2881	-543.0	147.8	185.3
	GP-201*-685*/C3 HPA	4699	2539	2160	2113	746	780	609.6	100	200	870	280	590	149	953	110	385	405	425	475	163	290	162	1463	1222	663	317	302	188.96	191.54	1"	2970	-499.5	147.8	185.7
	GP-201*-735*/C3 HPA	4709	2539	2170	2113	756	840	609.6	100	200	900	280	620	149	968	95	385	405	425	475	163	290	162	1463	1232	663	317	302	217.51	220.48	1"	3105	-435.8	147.8	186.4
	GP-201*-785*/C3 HPA	4715	2539	2176	2113	762	890	609.6	100	200	925	280	645	149	1023	95	385	405	425	475	163	320	175	1463	1238	663	317	302	248.19	251.58	1"	3206	-388.9	147.8	186.8
	GP-201*-835*/C3 HPA	4724	2539	2185	2113	771	940	609.6	100	200	950	280	670	149	1133	140	385	405	425	475	163	360	190	1463	1247	663	317	302	280.82	284.65	1"	3411	-307.3	147.8	187.7

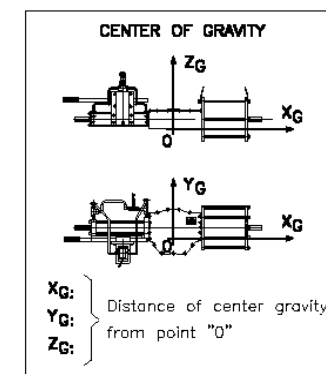
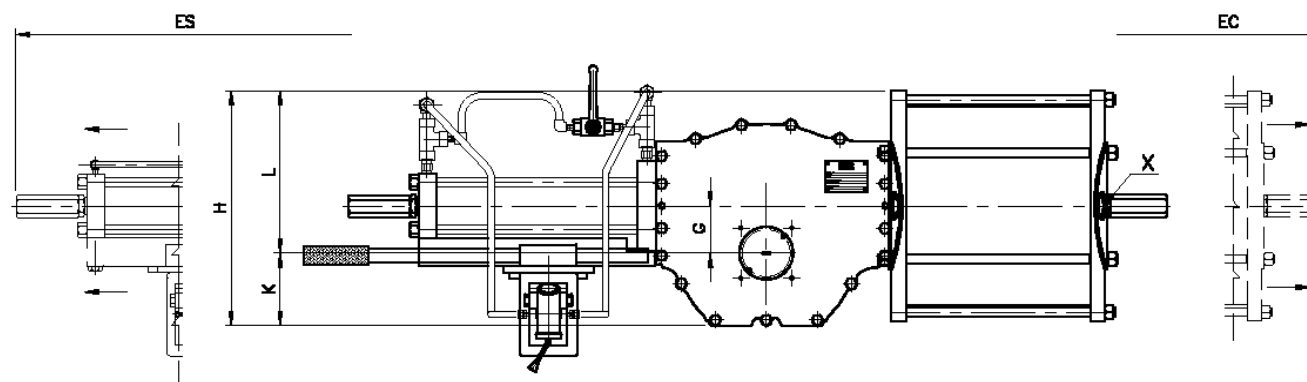
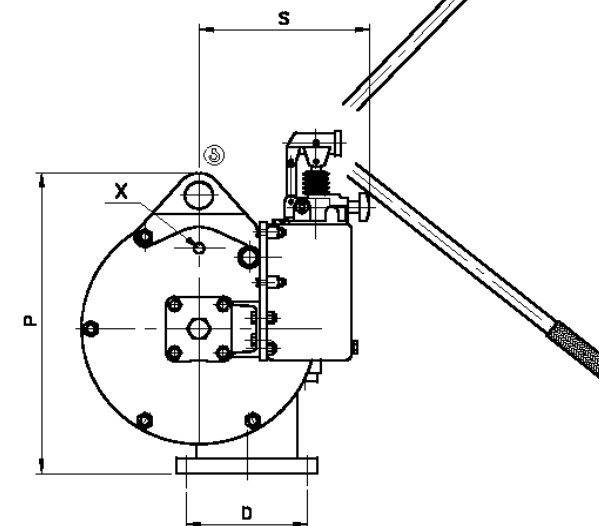
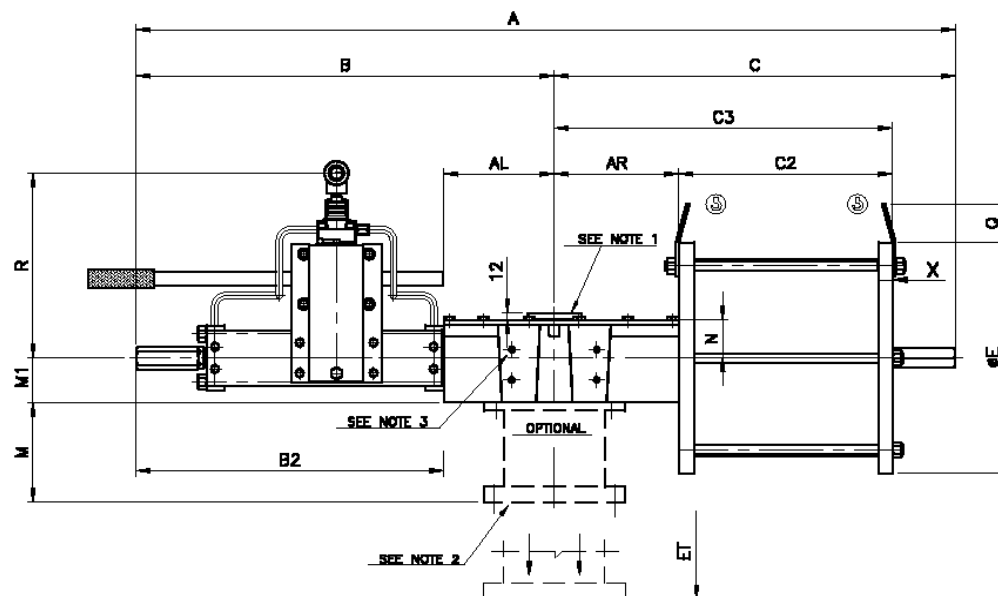


GP RANGE METRIC DIMENSION DATA
- SPRING RETURN FAIL CLOSE+ MANUAL OVERRIDE HPA - OGPCH00ADC REV.2

ACTUATOR MODEL	ACTUATOR OVERALL DIMENSIONS (mm)																	CARTER		SPOOL * (OPTIONAL)			LIFTING POINT		CLEARANCE FOR DISASSEMBLY			DISPLACEMENT (LITRES)		X	weight	CENTER GRAVITY			
	A	B	C	B2	C2	ØE	F	F1	G	H	K	L	N	P	Q	R	S	AL	AR	M1	M	Weight	B3	C3	ES	EC	ET	Simmetric	Canted	(NPT)	(Kg)	XG	ZG	YG	
GP 270 * CARTER CARBON STEEL - FLANGE TYPE SQ F48	GP-270°-735°/C0 HPA	6009	3176	2833	2665	947	840	711.2	150	270	1000	310	690	164	985	95	385	450	510	580	180	290	175	1807	1528	800	387	334	292.14	295.95	1"	4744	-565.8	168.9	251.4
	GP-270°-785°/C0 HPA	6009	3176	2833	2665	947	890	711.2	150	270	1025	310	715	164	1010	95	385	450	510	580	180	290	175	1807	1528	800	387	334	333.06	337.41	1"	4807	-540.9	168.9	251.7
	GP-270°-835°/C0 HPA	6041	3176	2865	2665	979	940	711.2	150	270	1050	310	740	164	1110	140	385	450	510	580	180	320	190	1807	1560	800	387	334	377.16	382.09	1"	5002	-466.9	168.9	252.5
	GP-270°-935°/C0 HPA	6028	3176	2852	2665	966	1040	711.2	150	270	1100	310	790	164	1195	135	385	450	510	580	180	360	210	1807	1547	800	387	334	472.86	479.04	1"	5271	-385.4	168.9	253.5
	GP-270°-937°/C0 HPA	6028	3176	2852	2665	966	1090	711.2	150	270	1125	310	815	164	1260	135	385	450	510	580	180	400	230	1807	1547	800	387	334	525.02	531.11	1"	5377	-353.7	168.9	253.9
	GP-270°-940°/C0 HPA	6058	3176	2882	2665	996	1160	711.2	150	270	1160	310	850	164	1320	120	385	450	510	580	180	440	255	1807	1577	800	387	334	596.33	604.12	1"	5715	-255.7	168.9	254.9
	GP-270°-942°/C0 HPA	6063	3176	2887	2665	1001	1215	711.2	150	270	1188	310	878	164	1358	130	385	450	510	580	180	440	255	1807	1582	800	387	334	654.55	663.10	1"	6006	-185.4	168.9	255.7
	GP-270°-945°/C0 HPA	6063	3176	2887	2665	1001	1270	711.2	150	270	1215	310	905	164	1450	135	385	450	510	580	180	500	295	1807	1582	800	387	334	715.32	724.66	1"	6315	-121.0	168.9	256.5
	GP-270°-960°/C0 HPA	6155	3176	2979	2665	1093	1320	711.2	150	270	1240	310	930	164	1480	140	385	450	510	580	180	500	295	1807	1674	800	387	334	778.91	789.09	1"	7152	66.7	168.9	258.2
	GP-270°-962°/C0 HPA	6129	3176	2953	2665	1067	1355	711.2	150	270	1258	310	948	164	1538	140	385	450	510	580	180	540	315	1807	1648	800	387	334	845.13	856.17	1"	7234	73.5	168.9	258.3
	GP-270°-965°/C0 HPA	6163	3176	2987	2665	1101	1410	711.2	150	270	1285	310	975	164	1560	135	385	450	510	580	180	540	315	1807	1682	800	387	334	914.30	926.25	1"	7838	180.7	168.9	259.3
	GP-270°-972°/C0 HPA	6109	3176	2933	2665	1047	1520	711.2	150	270	1340	310	1030	164	1685	145	385	450	510	580	180	600	360	1807	1628	800	387	334	1060.37	1074.22	1"	7497	99.1	168.9	258.8
	GP-270°-735°/C2 HPA	6009	3176	2833	2665	947	840	711.2	150	270	1000	310	690	164	985	95	385	450	510	580	180	290	175	1807	1528	800	387	334	292.14	295.95	1"	5001	-631.4	168.9	252.5
	GP-270°-785°/C2 HPA	6009	3176	2833	2665	947	890	711.2	150	270	1025	310	715	164	1010	95	385	450	510	580	180	290	175	1807	1528	800	387	334	333.06	337.41	1"	5064	-606.9	168.9	252.7
	GP-270°-835°/C2 HPA	6041	3176	2865	2665	979	940	711.2	150	270	1050	310	740	164	1110	140	385	450	510	580	180	320	190	1807	1560	800	387	334	377.16	382.09	1"	5259	-534.1	168.9	253.5
	GP-270°-935°/C2 HPA	6028	3176	2852	2665	966	1040	711.2	150	270	1100	310	790	164	1195	135	385	450	510	580	180	360	210	1807	1547	800	387	334	472.86	479.04	1"	5528	-453.1	168.9	254.3
	GP-270°-937°/C2 HPA	6028	3176	2852	2665	966	1090	711.2	150	270	1125	310	815	164	1260	135	385	450	510	580	180	400	230	1807	1547	800	387	334	525.02	531.11	1"	5634	-421.6	168.9	254.7
	GP-270°-940°/C2 HPA	6058	3176	2882	2665	996	1160	711.2	150	270	1160	310	850	164	1320	120	385	450	510	580	180	440	255	1807	1577	800	387	334	596.33	604.12	1"	5972	-323.9	168.9	255.6
	GP-270°-942°/C2 HPA	6063	3176	2887	2665	1001	1215	711.2	150	270	1188	310	878	164	1358	130	385	450	510	580	180	440	255	1807	1582	800	387	334	654.55	663.10	1"	6263	-253.4	168.9	256.3
	GP-270°-945°/C2 HPA	6063	3176	2887	2665	1001	1270	711.2	150	270	1215	310	905	164	1450	135	385	450	510	580	180	500	295	1807	1582	800	387	334	715.32	724.66	1"	6572	-188.4	168.9	257.0
	GP-270°-960°/C2 HPA	6155	3176	2979	2665	1093	1320	711.2	150	270	1240	310	930	164	1480	140	385	450	510	580	180	500	295	1807	1674	800	387	334	778.91	789.09	1"	7409	0.4	168.9	258.6
	GP-270°-962°/C2 HPA	6129	3176	2953	2665	1067	1355	711.2	150	270	1258	310	948	164	1538	140	385	450	510	580	180	540	315	1807	1648	800	387	334	845.13	856.17	1"	7491	7.7	168.9	258.7
	GP-270°-965°/C2 HPA	6163	3176	2987	2665	1101	1410	711.2	150	270	1285	310	975	164	1560	135	385	450	510	580	180	540	315	1807	1682	800	387	334	914.30	926.25	1"	8095	116.5	168.9	259.6
	GP-270°-972°/C2 HPA	6109	3176	2933	2665	1047	1520	711.2	150	270	1340	310	1030	164	1685	145	385	450	510	580	180	600	360	1807	1628	800	387	334	1060.37	1074.22	1"	7754	34.8	168.9	259.2
	GP-270°-735°/C3 HPA	6009	3176	2833	2665	947	840	711.2	150	270	1000	310	690	164	985	95	385	450	510	580	180	290	175	1807	1528	800	387	334	292.14	295.95	1"	5015	-634.8	168.9	252.6
	GP-270°-785°/C3 HPA	6009	3176	2833	2665	947	890	711.2	150	270	1025	310	715	164	1010	95	385	450	510	580	180	290	175	1807	1528	800	387	334	333.06	337.41	1"	5078	-610.3	168.9	252.8
	GP-270°-835°/C3 HPA	6041	3176	2865	2665	979	940	711.2	150	270	1050	310	740	164	1110	140	385	450	510	580	180	320	190	1807	1560	800	387	334	377.16	382.09	1"	5273	-537.6	168.9	253.5
	GP-270°-935°/C3 HPA	6028	3176	2852	2665	966	1040	711.2	150	270	1100	310	790	164	1195	135	385	450	510	580	180	360	210	1807	1547	800	387	334	472.86	479.04	1"	5542	-456.7	168.9	254.4
	GP-270°-937°/C3 HPA	6028	3176	2852	2665	966	1090	711.2	150	270	1125	310	815	164	1260	135	385	450	510	580	180	400	230	1807	1547	800	387	334	525.02	531.11	1"	5648	-425.1	168.9	254.7
	GP-270°-940°/C3 HPA	6058	3176	2882	2665	996	1160	711.2	150	270	1160	310	850	164	1320	120	385	450	510	580	180	440	255	1807	1577	800	387	334	596.33	604.12	1"	5986	-327.5	168.9	255.7
	GP-270°-942°/C3 HPA	6063	3176	2887	2665	1001	1215	711.2	150	270	1188	310	878	164	1358	130	385	450	510	580	180	440	255	1807	1582	800	387	334	654.55	663.10	1"	6277	-256.9	168.9	256.4
	GP-270°-945°/C3 HPA	6063	3176	2887	2665	1001	1270	711.2	150	270	1215	310	905	164	1450	135	385	450	510	580	180	500	295	1807	1582	800	387	334	715.32	724.66	1"	6586	-191.9	168.9	257.1
GP-270°-960°/C3 HPA	6155	3176	2979	2665	1093	1320	711.2	150	270	1240	310	930	164	1480	140	385	450	510	580	180	500	295													

GP RANGE METRIC DIMENSION DATA
- SPRING RETURN FAIL CLOSE+ MANUAL OVERRIDE HPA - OGPCH00ADC REV.2

ACTUATOR MODEL		ACTUATOR OVERALL DIMENSIONS (mm)																	CARTER		SPOOL * (OPTIONAL)			LIFTING POINT		CLEARANCE FOR DISASSEMBLY			DISPLACEMENT (LITRES)		X	weight	CENTER GRAVITY		
		A	B	C	B2	C2	ØE	F	F1	G	H	K	L	N	P	Q	R	S	AL	AR	M1	M (OPTIONAL)	Weight	B3	C3	ES	EC	ET	Simmetric	Canted	(NPT)	(Kg)	XG	ZG	YG
GP 271 - CARTER CARBON STEEL - FLANGE TYPE ISO R60	GP-271*-942*/C0 HPA	6086	3176	2910	2665	1001	1215	711.2	150	270	1218	340	878	192	1388	130	385	535	510	580	210	440	520	1807	1582	800	387	392	654.55	663.10	1"	6131	-172.3	196.3	252.0
	GP-271*-945*/C0 HPA	6086	3176	2910	2665	1001	1270	711.2	150	270	1245	340	905	192	1420	135	385	535	510	580	210	440	520	1807	1582	800	387	392	715.32	724.66	1"	6440	-109.9	196.3	252.9
	GP-270*-960*/C0 HPA	6178	3176	3002	2665	1093	1320	711.2	150	270	1270	340	930	192	1510	140	385	535	510	580	210	500	600	1807	1674	800	387	392	778.91	789.09	1"	7277	73.8	196.3	255.0
	GP-271*-962*/C0 HPA	6152	3176	2976	2665	1067	1355	711.2	150	270	1288	340	948	192	1528	140	385	535	510	580	210	500	600	1807	1648	800	387	392	845.13	856.17	1"	7359	80.3	196.3	255.2
	GP-271*-965*/C0 HPA	6186	3176	3010	2665	1101	1410	711.2	150	270	1315	340	975	192	1595	140	385	535	510	580	210	540	650	1807	1682	800	387	392	914.30	926.25	1"	7963	185.4	196.3	256.4
	GP-271*-972*/C0 HPA	6132	3176	2956	2665	1047	1520	711.2	150	270	1370	340	1030	192	1715	145	385	535	510	580	210	600	750	1807	1628	800	387	392	1060.37	1074.22	1"	7622	105.2	196.3	255.8
	GP-271*-975*/C0 HPA	6195	3176	3019	2665	1110	1600	711.2	150	270	1410	340	1070	192	1780	130	385	535	510	580	210	640	850	1807	1691	800	387	392	1137.19	1152.05	1"	8932	289.1	196.3	258.0
	GP-271*-980*/C0 HPA	6195	3176	3019	2665	1110	1640	711.2	150	270	1430	340	1090	192	1805	135	385	535	510	580	210	640	850	1807	1691	800	387	392	1216.98	1232.88	1"	8957	294.8	196.3	258.0
	GP-271*-982*/C0 HPA	6195	3176	3019	2665	1110	1690	711.2	150	270	1455	340	1115	192	1860	135	385	535	510	580	210	670	900	1807	1691	800	387	392	1299.45	1316.43	1"	9222	322.9	196.3	258.4
	GP-271*-987*/C0 HPA	6195	3176	3019	2665	1110	1750	711.2	150	270	1485	340	1145	192	1915	130	385	535	510	580	210	700	950	1807	1691	800	387	392	1384.89	1402.98	1"	9752	370.7	196.3	259.1
	GP-271*-942*/C2 HPA	6086	3176	2910	2665	1001	1215	711.2	150	270	1218	340	878	192	1388	130	385	535	510	580	210	440	520	1807	1582	800	387	392	654.55	663.10	1"	6381	-237.7	196.3	252.7
	GP-271*-945*/C2 HPA	6086	3176	2910	2665	1001	1270	711.2	150	270	1245	340	905	192	1420	135	385	535	510	580	210	440	520	1807	1582	800	387	392	715.32	724.66	1"	6690	-174.6	196.3	253.6
	GP-270*-960*/C2 HPA	6178	3176	3002	2665	1093	1320	711.2	150	270	1270	340	930	192	1510	140	385	535	510	580	210	500	600	1807	1674	800	387	392	778.91	789.09	1"	7527	10.1	196.3	255.6
	GP-271*-962*/C2 HPA	6152	3176	2976	2665	1067	1355	711.2	150	270	1288	340	948	192	1528	140	385	535	510	580	210	500	600	1807	1648	800	387	392	845.13	856.17	1"	7609	17.1	196.3	255.7
	GP-271*-965*/C2 HPA	6186	3176	3010	2665	1101	1410	711.2	150	270	1315	340	975	192	1595	140	385	535	510	580	210	540	650	1807	1682	800	387	392	914.30	926.25	1"	8213	123.7	196.3	256.9
	GP-271*-972*/C2 HPA	6132	3176	2956	2665	1047	1520	711.2	150	270	1370	340	1030	192	1715	145	385	535	510	580	210	600	750	1807	1628	800	387	392	1060.37	1074.22	1"	7872	43.3	196.3	256.2
	GP-271*-975*/C2 HPA	6195	3176	3019	2665	1110	1600	711.2	150	270	1410	340	1070	192	1780	130	385	535	510	580	210	640	850	1807	1691	800	387	392	1137.19	1152.05	1"	9182	231.0	196.3	258.3
	GP-271*-980*/C2 HPA	6195	3176	3019	2665	1110	1640	711.2	150	270	1430	340	1090	192	1805	135	385	535	510	580	210	640	850	1807	1691	800	387	392	1216.98	1232.88	1"	9207	236.8	196.3	258.4
	GP-271*-982*/C2 HPA	6195	3176	3019	2665	1110	1690	711.2	150	270	1455	340	1115	192	1860	135	385	535	510	580	210	670	900	1807	1691	800	387	392	1299.45	1316.43	1"	9472	265.7	196.3	258.7
	GP-271*-987*/C2 HPA	6195	3176	3019	2665	1110	1750	711.2	150	270	1485	340	1145	192	1915	130	385	535	510	580	210	700	950	1807	1691	800	387	392	1384.89	1402.98	1"	10002	315.4	196.3	259.3
GP-271*-942*/C3 HPA	6086	3176	2910	2665	1001	1215	711.2	150	270	1218	340	878	192	1388	130	385	535	510	580	210	440	520	1807	1582	800	387	392	654.55	663.10	1"	6402	-243.0	196.3	252.8	
GP-271*-945*/C3 HPA	6086	3176	2910	2665	1001	1270	711.2	150	270	1245	340	905	192	1420	135	385	535	510	580	210	440	520	1807	1582	800	387	392	715.32	724.66	1"	6711	-179.8	196.3	253.7	
GP-270*-960*/C3 HPA	6178	3176	3002	2665	1093	1320	711.2	150	270	1270	340	930	192	1510	140	385	535	510	580	210	500	600	1807	1674	800	387	392	778.91	789.09	1"	7548	5.0	196.3	255.6	
GP-271*-962*/C3 HPA	6152	3176	2976	2665	1067	1355	711.2	150	270	1288	340	948	192	1528	140	385	535	510	580	210	500	600	1807	1648	800	387	392	845.13	856.17	1"	7630	12.0	196.3	255.8	
GP-271*-965*/C3 HPA	6186	3176	3010	2665	1101	1410	711.2	150	270	1315	340	975	192	1595	140	385	535	510	580	210	540	650	1807	1682	800	387	392	914.30	926.25	1"	8234	118.7	196.3	256.9	
GP-271*-972*/C3 HPA	6132	3176	2956	2665	1047	1520	711.2	150	270	1370	340	1030	192	1715	145	385	535	510	580	210	600	750	1807	1628	800	387	392	1060.37	1074.22	1"	7893	38.3	196.3	256.3	
GP-271*-975*/C3 HPA	6195	3176	3019	2665	1110	1600	711.2	150	270	1410	340	1070	192	1780	130	385	535	510	580	210	640	850	1807	1691	800	387	392	1137.19	1152.05	1"	9203	226.3	196.3	258.4	
GP-271*-980*/C3 HPA	6195	3176	3019	2665	1110	1640	711.2	150	270	1430	340	1090	192	1805	135	385	535	510	580	210	640	850	1807	1691	800	387	392	1216.98	1232.88	1"	9228	232.1	196.3	258.4	
GP-271*-982*/C3 HPA	6195	3176	3019	2665	1110	1690	711.2	150	270	1455	340	1115	192	1860	135	385	535	510	580	210	670	900	1807	1691	800	387	392	1299.45	1316.43	1"	9493	261.1	196.3	258.7	
GP-271*-987*/C3 HPA	6195	3176	3019	2665	1110	1750	711.2	150	270	1485	340	1145	192	1915	130	385	535	510	580	210	700	950	1807	1691	800	387	392	1384.89	1402.98	1"	10023	310.8	196.3	259.4	
GP-271*-942*/C4 HPA	6146	3236	2910	2725	1001	1215	711.2	150	270	1218	340	878	192	1388	130	385	535	510	580	210	440	520	1837	1582	800	387	392	654.55	663.10	1"	6066	-166.3	196.3	251.7	
GP-271*-945*/C4 HPA	6146	3236	2910	2725	1001	1270	711.2	150	270	1245	340	905	192	1420	135	385	535	510	580	210	440	520	1837	1582	800	387	392	715.32	724.66	1"	6375	-103.5	196.3	252.7	
GP-270*-960*/C4 HPA	6238	3236	3002	2725	1093	1320	711.2	150	270	1270	340	930	192	1510	140	385	535	510	580	210	500	600	1837	1674	800	387	392	778.91	789.09	1"	7212	81.0	196.3	254.9	
GP-271*-962*/C4 HPA	6212	3236	2976	2725	1067	1355	711.2	150	270	1288	340	948	192	1528	140	385	535	510																	



- ⑤ LIFTING POINT ACTUATOR ONLY
 D ACCORDING TO VALVE FLANGE
 X PNEUMATIC CONNECTION
 NOTE 3 CONTROL PANEL INTERFACE ACCORDING TO : DWG. GD00198-040
 NOTE 2 COUPLING ACTUATOR INTERFACE ACCORDING TO : DWG. GD00198-030
 NOTE 1 MICROSWITCHES GROUP INTERFACE ACCORDING TO : DWG. GD00220

All dimensions are in mm

rotork
fluid systems

PNEUMATIC ACTUATOR
DOUBLE ACTING c/w HP1
OVERALL DIMENSIONS

02	16.04.08	BERNINI	BARSOTTI
01	08.06.05	BERNINI	BARSOTTI
00	05.12.00	FERNIZI	PIARONI
rev.	date	drawn	check
OGPDH00ADC			

REPORTED ARE MAXIMUM DIMENSIONS - IT WILL BE CAVE OF R.F.S. TO INFORM YOU IN CASE OF ANY DIMENSIONAL INCREASE



GP RANGE METRIC DIMENSION DATA
- DOUBLE ACTING + MANUAL OVERRIDE HP1 - OGPDH00ADC REV.2

	ACTUATOR MODEL	ACTUATOR OVERALL DIMENSIONS (mm)														CARTER		SPOOL * (OPTIONAL)			LIFTING POINT	CLEARANCE FOR DISASSEMBLY			DISPLACEMENT (LITRES)		X	weight	CENTER GRAVITY			
		A	B	C	B2	C2	ØE	F	F1	G	H	K	L	N	P	Q	AL	AR	M1	M	Weight	C3	ES	EC	ET	Simmetric	Canted	(NPT)	(Kg)	XG	ZG	YG
GP 065 - CARTER CARBON STEEL - FLANGE TYPE ISO F25	GP-065*-180*/D1 HP1	1369	710	659	544	353	240	273	70	65	330	145	185	70	370	80	165	190	80	90	14	544	160	127	140	4.20	4.27	1/4"	129	15.6	73.0	50.8
	GP-065*-235*/D1 HP1	1374	710	664	544	358	310	273	70	65	365	145	220	70	405	80	165	190	80	90	14	549	160	127	140	7.15	7.28	1/2"	160	88.2	73.0	53.6
	GP-065*-280*/D1 HP1	1384	710	674	544	368	355	273	70	65	388	145	243	70	478	80	165	190	80	140	18	559	160	127	140	10.16	10.34	1/2"	186	133.3	73.0	55.2
	GP-065*-335*/D1 HP1	1394	710	684	544	378	415	273	70	65	418	145	273	70	498	70	165	190	80	140	18	569	160	127	140	14.52	14.78	1/2"	231	192.5	73.0	57.1
	GP-065*-385*/D1 HP1	1407	710	697	544	381	465	273	70	65	443	145	298	70	583	80	165	190	80	190	25	572	160	127	140	19.21	19.56	1"	268	225.1	73.0	58.2
	GP-065*-435*/D1 HP1	1412	710	702	544	386	515	273	70	65	468	145	323	70	608	80	165	190	80	190	25	577	160	127	140	24.50	24.95	1"	314	254.8	73.0	59.2
	GP-065*-485*/D1 HP1	1417	710	707	544	391	570	273	70	65	495	145	350	70	665	80	165	190	80	220	32	582	160	127	140	30.47	31.02	1"	369	280.9	73.0	60.1
GP 085 - CARTER CAST IRON STEEL - FLANGE TYPE ISO F25	GP-085*-180*/D1 HP1	1429	740	689	544	353	240	273	70	85	335	130	205	70	370	80	195	220	80	90	14	574	160	147	140	5.47	5.60	1/4"	159	15.3	74.0	66.7
	GP-085*-235*/D1 HP1	1434	740	694	544	358	310	273	70	85	370	130	240	70	405	80	195	220	80	90	14	579	160	147	140	9.32	9.54	1/2"	190	81.4	74.0	69.7
	GP-085*-280*/D1 HP1	1444	740	704	544	368	355	273	70	85	393	130	263	70	478	80	195	220	80	140	18	589	160	147	140	13.23	13.54	1/2"	216	124.6	74.0	71.6
	GP-085*-335*/D1 HP1	1454	740	714	544	378	415	273	70	85	423	130	293	70	498	70	195	220	80	140	18	599	160	147	140	18.92	19.36	1/2"	261	183.7	74.0	73.9
	GP-085*-385*/D1 HP1	1467	740	727	544	381	465	273	70	85	448	130	318	70	583	80	195	220	80	190	25	602	160	147	140	25.03	25.61	1"	298	217.8	74.0	75.3
	GP-085*-435*/D1 HP1	1472	740	732	544	386	515	273	70	85	473	130	343	70	608	80	195	220	80	190	25	607	160	147	140	31.93	32.67	1"	344	250.0	74.0	76.6
	GP-085*-485*/D1 HP1	1477	740	737	544	391	570	273	70	85	500	130	370	70	665	80	195	220	80	220	32	612	160	147	140	39.70	40.62	1"	399	278.9	74.0	77.7
	GP-085*-535*/D1 HP1	1482	740	742	544	396	620	273	70	85	525	130	395	70	720	80	195	220	80	250	40	617	160	147	140	48.76	49.50	3/4"	448	300.8	74.0	78.5
GP 100 - CARTER CARBON STEEL - FLANGE TYPE ISO F25	GP-100*-335*/D1 HP1	1892	951	941	725	515	415	406.4	70	100	468	160	308	84	511	70	225	255	93	140	48	771	220	170	167	22.26	22.79	1/2"	306	174.8	86.7	88.5
	GP-100*-385*/D1 HP1	1892	951	941	725	515	465	406.4	70	100	493	160	333	84	596	80	225	255	93	190	60	771	220	170	167	29.45	30.15	1"	346	225.7	86.7	89.9
	GP-100*-435*/D1 HP1	1897	951	946	725	520	515	406.4	70	100	518	160	358	84	661	120	225	255	93	190	60	776	220	170	167	37.57	38.46	1"	385	256.5	86.7	90.9
	GP-100*-485*/D1 HP1	1902	951	951	725	525	570	406.4	70	100	545	160	385	84	733	115	225	255	93	240	69	781	220	170	167	46.72	47.82	1"	448	304.7	86.7	92.2
	GP-100*-535*/D1 HP1	1929	951	978	725	525	620	406.4	70	100	570	160	410	84	723	80	225	255	93	240	69	781	220	170	167	56.84	58.19	1"	487	321.7	86.7	92.8
	GP-100*-585*/D1 HP1	1929	951	978	725	525	680	406.4	70	100	600	160	440	84	803	80	225	255	93	290	80	781	220	170	167	67.97	69.58	1"	562	358.1	86.7	93.8
	GP-100*-635*/D1 HP1	1944	951	993	725	540	730	406.4	70	100	625	160	465	84	858	110	225	255	93	290	80	796	220	170	167	80.07	81.97	1"	680	402.4	86.7	94.9
GP 130 - CARTER CARBON STEEL - FLANGE TYPE ISO F25	GP-130*-335*/D1 HP1	1977	991	986	725	515	415	406.4	100	130	548	210	338	84	520	70	265	300	102	140	48	816	220	200	176	28.95	29.57	1/2"	348	169.2	91.3	104.2
	GP-130*-385*/D1 HP1	1977	991	986	725	515	465	406.4	100	130	573	210	363	84	605	80	265	300	102	190	60	816	220	200	176	38.30	39.11	1"	388	219.8	91.3	106.9
	GP-130*-435*/D1 HP1	1982	991	991	725	520	515	406.4	100	130	598	210	388	84	670	120	265	300	102	190	60	821	220	200	176	48.86	49.90	1"	427	252.3	91.3	109.0
	GP-130*-485*/D1 HP1	1987	991	996	725	525	570	406.4	100	130	625	210	415	84	742	115	265	300	102	240	69	826	220	200	176	60.75	62.04	1"	490	302.6	91.3	111.7
	GP-130*-535*/D1 HP1	2014	991	1023	725	525	620	406.4	100	130	650	210	440	84	732	80	265	300	102	240	69	826	220	200	176	73.92	75.49	1"	529	321.8	91.3	113.1
	GP-130*-585*/D1 HP1	2014	991	1023	725	525	680	406.4	100	130	680	210	470	84	812	80	265	300	102	290	80	826	220	200	176	88.38	90.26	1"	604	361.2	91.3	115.2
	GP-130*-635*/D1 HP1	2029	991	1038	725	540	730	406.4	100	130	705	210	495	84	867	110	265	300	102	290	80	841	220	200	176	104.13	106.34	1"	722	409.7	91.3	117.6
GP 130 - CARTER CAST IRON - FLANGE TYPE ISO F30	GP-130*-335*/D1 HP1	1989	997	992	725	515	415	457.2	100	130	496	158	338	99	531	70	271	306	113	140	48	822	220	204	202	28.95	29.57	1/2"	388	154.2	106.0	115.9
	GP-130*-385*/D1 HP1	1989	997	992	725	515	465	457.2	100	130	521	158	363	99	616	80	271	306	113	190	60	822	220	204	202	38.30	39.11	1"	428	202.1	106.0	117.2
	GP-130*-435*/D1 HP1	1994	997	997	725	520	515	457.2	100	130	546	158	388	99	681	120	271	306	113	190	60	827	220	204	202	48.86	49.90	1"	467	233.7	106.0	118.3
	GP-130*-485*/D1 HP1	1999	997	1002	725	525	570	457.2	100	130	573	158	415	99	753	115	271	306	113	240	69	832	220	204	202	60.75	62.04	1"	530	283.2	106.0	119.7
	GP-130*-535*/D1 HP1	2026	997	1029	725	525	620	457.2	100	130	598	158	440	99	743	80	271	306	113	240	69	832	220	204	202	73.92	75.49	1"	569	302.8	106.0	120.4
	GP-130*-585*/D1 HP1	2026	997	1029	725	525	680	457.2	100	130	628	158	470	99	823	80	271	306	113	290	80	832	220	204	202	88.38	90.26	1"	644	342.7	106.0	121.5
	GP-130*-635*/D1 HP1	2041	997	1044	725	540	730	457.2	100	130	653	158	495	99	878	110	271	306	113	290	80	847	220	204	202	104.13	106.34	1"	762	392.4	106.0	122.8
	GP-130*-685*/D1 HP1	2114	1057	1057	785	565	780	457.2	100	130	678	158	520	99	918	95	271	306	113	320	85	872	220	204	202							

GP RANGE METRIC DIMENSION DATA
- DOUBLE ACTING + MANUAL OVERRIDE HP1 - OGPDPH00ADC REV.2

	ACTUATOR MODEL	ACTUATOR OVERALL DIMENSIONS (mm)														CARTER		SPOOL * (OPTIONAL)		LIFTING POINT	CLEARANCE FOR DISASSEMBLY			DISPLACEMENT (LITRES)		X	weight	CENTER GRAVITY				
		A	B	C	B2	C2	ØE	F	F1	G	H	K	L	N	P	Q	AL	AR	M1	M	Weight	C3	ES	EC	ET	Simmetric	Canted	(NPT)	(Kg)	XG	ZG	YG
GP 200 - CARTER CARBON STEEL - FLANGE TYPE ISO F40	GP-200*-485*/D1 HP1	2779	1362	1417	936	741	570	609.6	100	200	765	280	485	128	708	80	425	475	153	190	125	1217	280	317	271	93.43	95.46	1"	919	258.1	137.9	161.9
	GP-200*-535*/D1 HP1	2784	1362	1422	936	746	620	609.6	100	200	790	280	510	128	723	70	425	475	153	190	125	1222	280	317	271	113.69	116.16	1"	997	310.2	137.9	164.9
	GP-200*-585*/D1 HP1	2784	1362	1422	936	746	680	609.6	100	200	820	280	540	128	833	100	425	475	153	240	145	1222	280	317	271	135.93	138.89	1"	1089	362.7	137.9	167.9
	GP-200*-635*/D1 HP1	2784	1362	1422	936	746	730	609.6	100	200	845	280	565	128	868	110	425	475	153	240	145	1222	280	317	271	160.15	163.63	1"	1160	397.2	137.9	169.8
	GP-200*-685*/D1 HP1	2784	1362	1422	936	746	780	609.6	100	200	870	280	590	128	943	110	425	475	153	290	162	1222	280	317	271	186.38	190.43	1"	1249	433.8	137.9	172.0
	GP-200*-735*/D1 HP1	2801	1362	1439	936	756	840	609.6	100	200	900	280	620	128	958	95	425	475	153	290	162	1232	280	317	271	214.54	219.21	1"	1384	484.7	137.9	174.7
	GP-200*-785*/D1 HP1	2807	1362	1445	936	762	890	609.6	100	200	925	280	645	128	1013	95	425	475	153	320	175	1238	280	317	271	244.80	250.12	1"	1485	522.9	137.9	176.5
	GP-200*-835*/D1 HP1	2899	1362	1537	936	771	940	609.6	100	200	950	280	670	128	1123	140	425	475	153	360	190	1247	280	317	271	276.98	283.01	1"	1690	576.3	137.9	179.3
	GP-200*-885*/D1 HP1	2899	1362	1537	936	771	990	609.6	100	200	975	280	695	128	1148	140	425	475	153	360	190	1247	280	317	271	311.10	317.87	1"	1785	596.8	137.9	180.4
	GP-200*-935*/D1 HP1	2904	1362	1542	936	776	1040	609.6	100	200	1000	280	720	128	1208	135	425	475	153	400	210	1252	280	317	271	347.27	354.82	1"	1915	625.9	137.9	181.8
	GP-200*-937*/D1 HP1	2904	1362	1542	936	776	1090	609.6	100	200	1025	280	745	128	1273	135	425	475	153	440	240	1252	280	317	271	385.57	393.95	1"	1790	615.9	137.9	180.5
	GP-200*-940*/D1 HP1	2940	1362	1578	936	812	1160	609.6	100	200	1060	280	780	128	1293	120	425	475	153	440	240	1288	280	317	271	437.94	447.46	1"	2505	715.4	137.9	186.1
GP-200*-965*/D1 HP1	3087	1362	1725	936	959	1410	609.6	100	200	1185	280	905	128	1573	135	425	475	153	580	310	1435	280	317	271	671.46	686.06	1"	3800	913.2	137.9	190.8	
GP 201 - CARTER CARBON STEEL - FLANGE TYPE ISO F40	GP-201*-485*/D1 HP1	2779	1362	1417	936	741	570	609.6	100	200	765	280	485	149	718	80	425	475	163	190	125	1217	280	317	302	94.73	96.02	1"	1104	204.7	147.8	163.1
	GP-201*-535*/D1 HP1	2784	1362	1422	936	746	620	609.6	100	200	790	280	510	149	733	70	425	475	163	190	125	1222	280	317	302	115.26	116.83	1"	1182	252.1	147.8	165.6
	GP-201*-585*/D1 HP1	2784	1362	1422	936	746	680	609.6	100	200	820	280	540	149	843	100	425	475	163	240	145	1222	280	317	302	137.81	139.69	1"	1274	301.2	147.8	168.1
	GP-201*-635*/D1 HP1	2784	1362	1422	936	746	730	609.6	100	200	845	280	565	149	878	110	425	475	163	240	145	1222	280	317	302	162.36	164.58	1"	1345	334.2	147.8	169.8
	GP-201*-685*/D1 HP1	2784	1362	1422	936	746	780	609.6	100	200	870	280	590	149	953	110	425	475	163	290	162	1222	280	317	302	188.96	191.54	1"	1434	370.0	147.8	171.7
	GP-201*-735*/D1 HP1	2801	1362	1439	936	756	840	609.6	100	200	900	280	620	149	968	95	425	475	163	290	162	1232	280	317	302	217.51	220.48	1"	1569	420.3	147.8	174.1
	GP-201*-785*/D1 HP1	2807	1362	1445	936	762	890	609.6	100	200	925	280	645	149	1023	95	425	475	163	320	175	1238	280	317	302	248.19	251.58	1"	1670	458.2	147.8	175.7
	GP-201*-835*/D1 HP1	2899	1362	1537	936	771	940	609.6	100	200	950	280	670	149	1133	140	425	475	163	360	190	1247	280	317	302	280.82	284.65	1"	1875	513.5	147.8	178.3
	GP-201*-885*/D1 HP1	2899	1362	1537	936	771	990	609.6	100	200	975	280	695	149	1158	140	425	475	163	360	190	1247	280	317	302	315.41	319.71	1"	1970	535.1	147.8	179.4
	GP-201*-935*/D1 HP1	2904	1362	1542	936	776	1040	609.6	100	200	1000	280	720	149	1218	135	425	475	163	400	210	1252	280	317	302	352.07	356.88	1"	2100	565.4	147.8	180.7
	GP-201*-937*/D1 HP1	2904	1362	1542	936	776	1090	609.6	100	200	1025	280	745	149	1243	135	425	475	163	400	240	1252	280	317	302	390.91	396.24	1"	1975	552.5	147.8	179.4
	GP-201*-940*/D1 HP1	2940	1362	1578	936	812	1160	609.6	100	200	1060	280	780	149	1303	120	425	475	163	440	240	1288	280	317	302	444.00	450.06	1"	2690	662.0	147.8	184.9
GP-201*-965*/D1 HP1	3087	1362	1725	936	959	1410	609.6	100	200	1185	280	905	149	1583	135	425	475	163	580	310	1435	280	317	302	680.75	690.04	1"	3985	868.0	147.8	189.8	
GP 270 - CARTER CARBON STEEL - FLANGE TYPE ISO F48	GP-270*-735*/D1 HP1	3616	1831	1785	1320	947	840	711.2	150	270	1000	310	690	164	985	95	510	580	180	290	175	1528	310	387	334	292.14	295.95	1"	2280	216.2	168.9	235.5
	GP-270*-785*/D1 HP1	3616	1831	1785	1320	947	890	711.2	150	270	1025	310	715	164	1010	95	510	580	180	290	175	1528	310	387	334	333.06	337.41	1"	2343	246.4	168.9	236.4
	GP-270*-835*/D1 HP1	3696	1831	1865	1320	979	940	711.2	150	270	1050	310	740	164	1110	140	510	580	180	320	190	1560	310	387	334	377.16	382.09	1"	2540	326.4	168.9	239.0
	GP-270*-935*/D1 HP1	3683	1831	1852	1320	966	1040	711.2	150	270	1100	310	790	164	1195	135	510	580	180	360	210	1547	310	387	334	472.86	479.04	1"	2809	405.6	168.9	242.0
	GP-270*-937*/D1 HP1	3683	1831	1852	1320	966	1090	711.2	150	270	1125	310	815	164	1260	135	510	580	180	400	230	1547	310	387	334	525.02	531.11	1"	2915	435.3	168.9	243.0
	GP-270*-940*/D1 HP1	3714	1831	1883	1320	996	1160	711.2	150	270	1160	310	850	164	1320	120	510	580	180	440	255	1577	310	387	334	596.33	604.12	1"	3253	520.9	168.9	245.8
	GP-270*-942*/D1 HP1	3719	1831	1888	1320	1001	1215	711.2	150	270	1188	310	878	164	1358	130	510	580	180	440	240	1582	310	387	334	654.55	663.10	1"	3544	575.6	168.9	247.8
	GP-270*-945*/D1 HP1	3719	1831	1888	1320	1001	1270	711.2	150	270	1215	310	905	164	1450	135	510	580	180	500	295	1582	310	387	334	715.32	724.66	1"	3853	620.0	168.9	249.6
	GP-270*-960*/D1 HP1	3811	1831	1980	1320	1093	1320	711.2	150	270	1340	310	930	164	1480	140	510	580	180	500	295	1674	310	387	334	778.91	789.09	1"	4690	764.0	168.9	253.2
	GP-270*-962*/D1 HP1	3785	1831	1954	1320	1067	1355	711.2	150	270	1258	310	948	164	1538	140	510	580	180	540	315	1648	310	387	334	845.13	856.17	1"	4772	765.1	168.9	253.5
	GP-270*-965*/D1 HP1	3819	1831	1988	1320	1101	1410	711.2	150	270	12858																					