



GAS SPRINGS

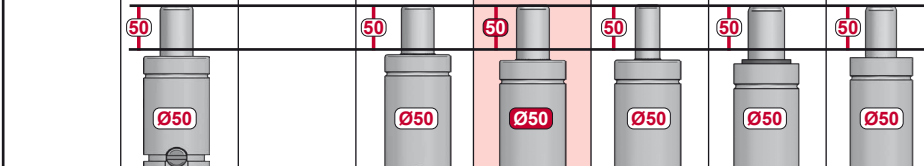
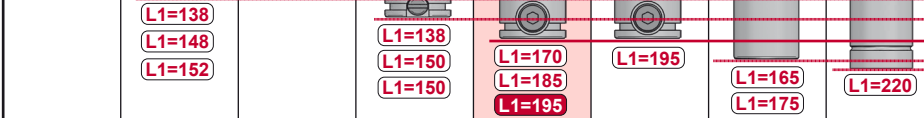


AZOL 
GAS

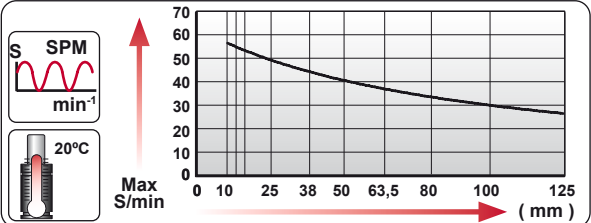
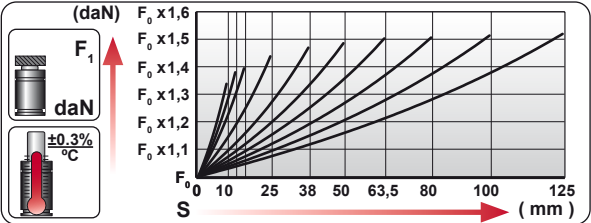
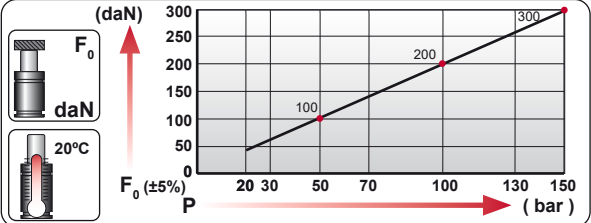
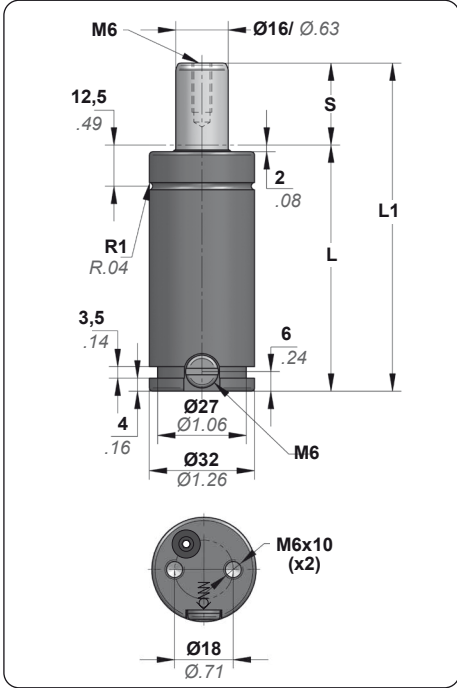


HEAVY DUTY CD

- Standard size gas springs (same as ISO)
- Higher contact force (300-18500 daN)
- Specified by ISO - VDI standards
- Used for heavy duty work

 s mm  Ø mm  L1 mm								
								
MODEL	X	CW 1000 CWC 1000 KZ/KT 1000	X	CT 1000 CK 1000 FD 750	GN 750 CM 1000 CP 1000 CD 1000	AG 750	CPH 1700 CP 2000	CS 1800
SERIES	MINI 	COMPACT HEIGHT 	THREADED 	LOW PROFILE 	HEAVY DUTY 	ISO 	HEAVY LOAD 	POWER SHORT STROKE 

CD 300 V1
Heavy Duty



VDI SAFETY

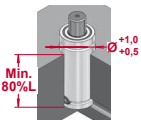
STANDARDS

ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³	Kg.	lb
CD 300 010 V1	10	0.39	70	2.76	60	2.36	300 ±5% 150 bar 2175 psi at 20°C 68°F	674	401	902	8	0.5	0.28	0.62
CD 300 012 V1	12.7	0.50	75.4	2.97	62.7	2.47			410	922	9	0.6	0.29	0.64
CD 300 016 V1	16	0.63	82	3.23	66	2.60			418	940	11	0.7	0.30	0.66
CD 300 025 V1	25	0.98	100	3.94	75	2.95			431	970	17	1.0	0.33	0.73
CD 300 038 V1	38	1.50	126	4.96	88	3.46			441	991	24	1.5	0.38	0.84
CD 300 050 V1	50	1.97	150	5.91	100	3.94			446	1002	31	1.9	0.42	0.93
CD 300 063 V1	63.5	2.50	177	6.97	113.5	4.47			449	1010	38	2.3	0.46	1.01
CD 300 080 V1	80	3.15	210	8.27	130	5.12			452	1016	48	2.9	0.52	1.15
CD 300 100 V1	100	3.94	250	9.84	150	5.91			454	1021	59	3.6	0.59	1.30
CD 300 125 V1	125	4.92	300	11.81	175	6.89			456	1025	73	4.5	0.67	1.48

TECHNICAL DATA													
	Fluid	N ₂		Pmin Pmax 20°C / 68°F	20 bar 290 psi	150 bar 2175 psi		Charging Adapter	06 CG 2-Q				
	Smax	< 90%		Tmin Tmax	0 °C 32 °F	80 °C 176 °F		Connection	CD-H 300 XXX V1				
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C			Cardridge Kit	1625F205B				

								
50	50		50	50	50	50	50	50
								
	$L1=142$	$L1=130$ $L1=140$		$L1=137$ $L1=139$	$L1=150$ $L1=150$ $L1=160$	$L1=150$	$L1=155$	$L1=195$
MODEL	AFT	CW 350 KZ 350		CT 300 CK 300	CM 350 CD 300 CM 300	AG 150	CP 500	CS 770

MOUNTING OPTIONS

	Drop-in 	Top Mount 	Base Mount 	Foot Mount 	Support Mount 
HOW TO ORDER		A14-032  580 A34-032  582		C20-032  598	D02-032  600

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper



HOW TO ORDER

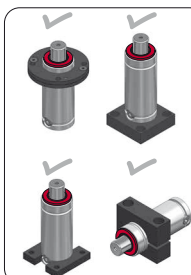
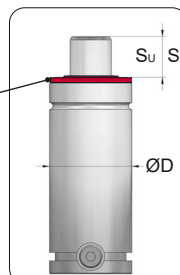
CD 300 050 V1 16 32

CD 300 050 V1 + PW 016 032

PW does not involve any variation of the dimensions of the gas spring.
The useful stroke keeps the same as nominal stroke.

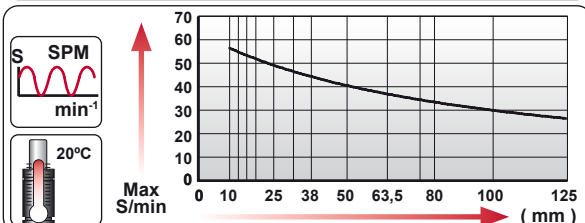
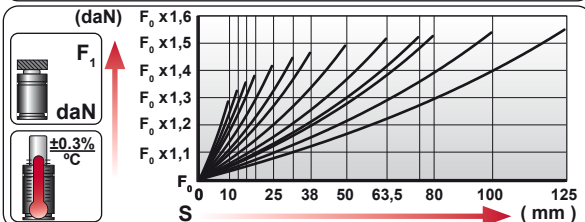
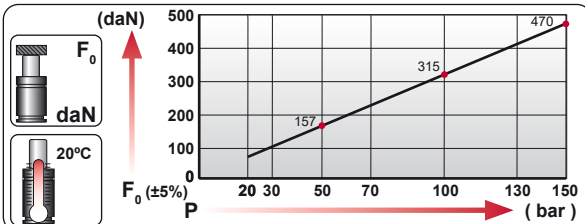
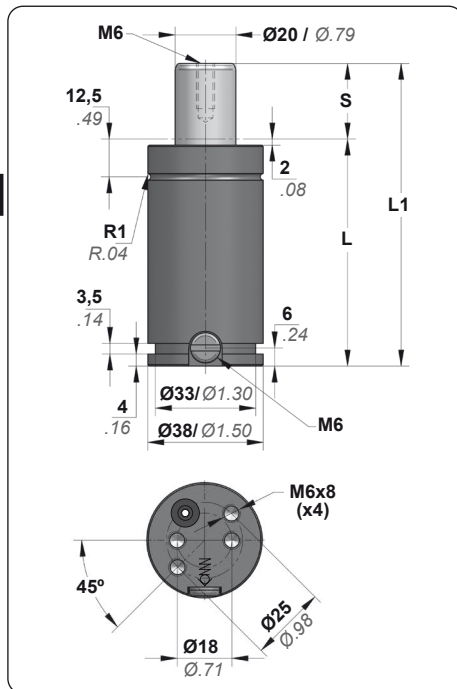


Protective
Wiper



CD 500 V1

Heavy Duty

**AZOL
GAS****VDI
SAFETY****STANDARS**

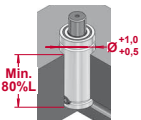
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³	Kg.	lb
CD 500 010 V1	10	0.39	70	2.76	60	2.36	470 1057 ±5% 150 bar 2175 psi at 20°C 68°F		604	1358	14	0.9	0.38	0.84
CD 500 013 V1	13	0.51	76	2.99	63	2.48			622	1399	17	1.0	0.40	0.88
CD 500 016 V1	16	0.63	82	3.23	66	2.60			637	1431	19	1.2	0.41	0.90
CD 500 019 V1	19	0.75	88	3.46	69	2.72			648	1457	22	1.3	0.43	0.95
CD 500 025 V1	25	0.98	100	3.94	75	2.95			665	1496	27	1.6	0.46	1.01
CD 500 032 V1	32	1.26	114	4.49	82	3.23			679	1527	33	2.0	0.49	1.08
CD 500 038 V1	38	1.50	126	4.96	88	3.46			688	1547	38	2.3	0.52	1.15
CD 500 050 V1	50	1.97	150	5.91	100	3.94			700	1575	48	2.9	0.58	1.28
CD 500 063 V1	63.5	2.50	177	6.97	113.5	4.47			710	1595	59	3.6	0.64	1.41
CD 500 075 V1	75	2.95	200	7.87	125	4.92			715	1608	69	4.2	0.69	1.52
CD 500 080 V1	80	3.15	210	8.27	130	5.12			717	1612	73	4.5	0.72	1.59
CD 500 100 V1	100	3.94	250	9.84	150	5.91			723	1626	90	5.5	0.81	1.79
CD 500 125 V1	125	4.92	300	11.81	175	6.89			728	1637	111	6.8	0.93	2.05

TECHNICAL DATA

Fluid Smax Vmax	N ₂	< 90%	Pmin Pmax Tmin Tmax Force variation by temperature	20 bar 290 psi 150 bar 2175 psi 0 °C 32 °F 80 °C 176 °F ±0,3% / °C	Charging Adapter Connection Cardridge Kit	06 CG 2-Q CD-H 500 XXX V1 2030B190B

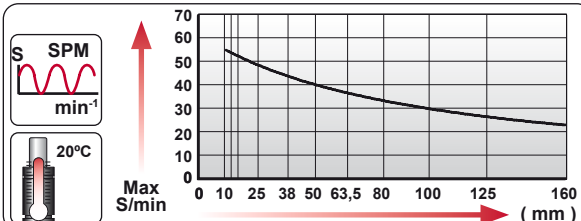
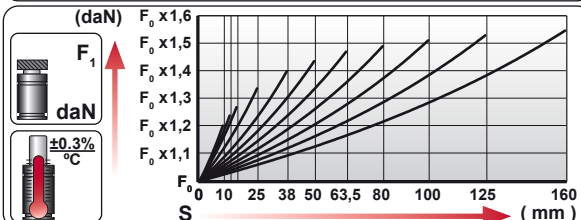
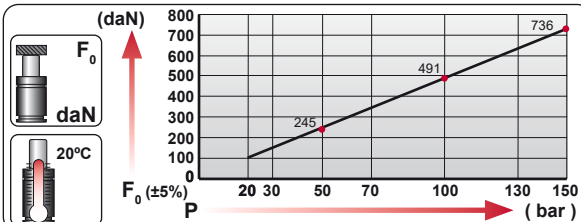
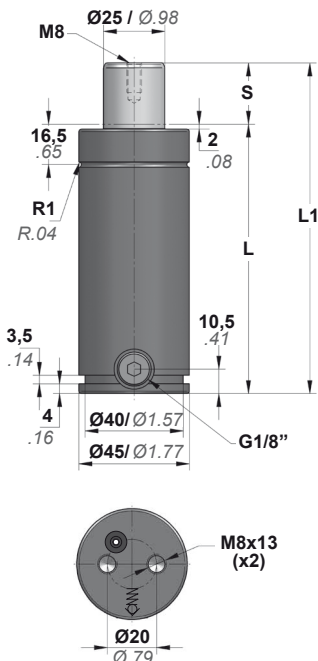
 1/8 mm  1/2 mm  1 mm		 Ø38 L1=130 L1=140	 Ø38 L1=150	 Ø38 L1=132 L1=137 L1=150	 Ø38 L1=150 L1=155	 Ø38 L1=150	 Ø38 L1=155 L1=160	 Ø38 L1=230
	MODEL	CW 500 KZ 500	AS 300	CT 500 CK 500 FD 300	CD 500 CM 500	AG 250	CPH 850 CP 1000	CS 1000

MOUNTING OPTIONS

	Drop-in 	Top Mount 	Base Mount 	Foot Mount 	Support Mount 
HOW TO ORDER		A14-038  580 A34-038  582		C20-038  598	D02-038  600

CD 700

Heavy Duty

**AZOL
GAS****VDI
SAFETY****STANDARS**

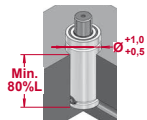
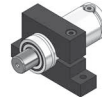
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm³	in³	Kg.	lb
CD 700 010	10	0.39	105	4.13	95	3.74	690	1551	806	1811	34	2.1	0.84	1.85
CD 700 013	13	0.51	111	4.37	98	3.86			829	1864	38	2.3	0.86	1.90
CD 700 016	16	0.63	117	4.61	101	3.98	±5% 140 bar 2030 psi at 20°C 68°F		849	1909	42	2.6	0.87	1.92
CD 700 025	25	0.98	135	5.31	110	4.33			895	2013	53	3.3	0.93	2.05
CD 700 038	38	1.50	161	6.34	123	4.84			940	2112	70	4.3	1.01	2.23
CD 700 050	50	1.97	185	7.28	135	5.31			967	2174	86	5.2	1.09	2.40
CD 700 063	63.5	2.50	212	8.35	148.5	5.85			989	2224	103	6.3	1.17	2.58
CD 700 080	80	3.15	245	9.65	165	6.50			1009	2267	124	7.6	1.27	2.80
CD 700 100	100	3.94	285	11.22	185	7.28			1025	2305	150	9.2	1.40	3.09
CD 700 125	125	4.92	335	13.19	210	8.27			1040	2338	182	11.1	1.55	3.42
CD 700 160	160	6.30	405	15.94	245	9.65			1054	2370	227	13.9	1.77	3.90

TECHNICAL DATA

	Fluid	N ₂		Pmin Pmax 20°C / 68°F	20 bar 290 psi	150 bar 2175 psi		Charging Adapter	18 CG 1-Q
	Smax	< 90%		Tmin Tmax	0 °C 32 °F	80 °C 176 °F		Connection	CD-H 700 XXX
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C			Cardridge Kit	2538E350B

 L_s mm		 L_1 mm		 L_1 mm			
		 $\varnothing 45$ $L_1=132$ $L_1=142$ $L_1=147$		 $\varnothing 45$ $L_1=138$ $L_1=150$ $L_1=150$	 $\varnothing 45$ $L_1=160$ $L_1=185$	 $\varnothing 45$ $L_1=185$	 $\varnothing 45$ $L_1=160$
MODEL		CW 750 CWC 750 KZ 750		CT 700 CK 750 FD 500	CM 600 CD 700	AG 500	CPH 1250

MOUNTING OPTIONS

	Drop-in 	Top Mount 	Base Mount 	Foot Mount 	Support Mount 
HOW TO ORDER		A14-045  581 A34-045  582	B21-045  590 B76-045  594	C05-045  596 C20-045  598	D02-045  600 D67-045  602

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper



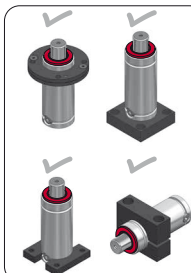
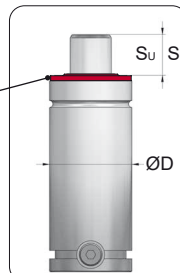



HOW TO ORDER

CD 700 050 25 45
 CD 700 050 + PW 025 045



Protective Wiper

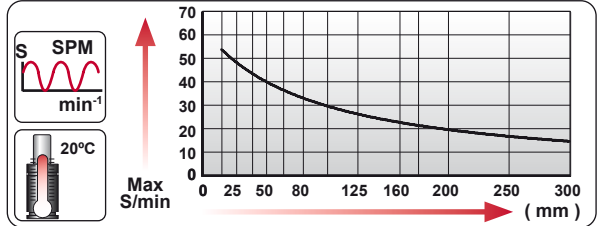
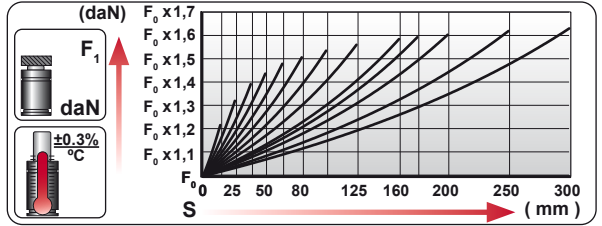
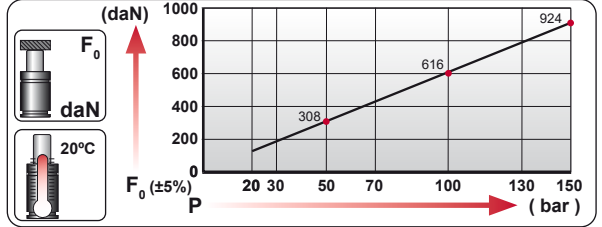
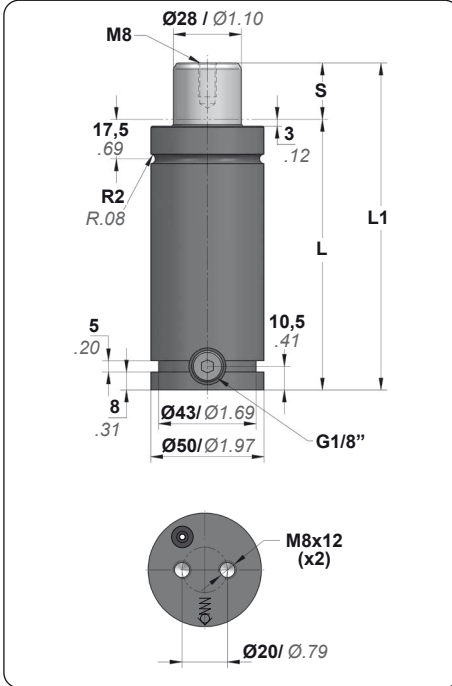


PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.

CD 1000 V1

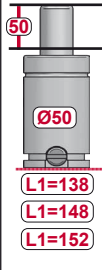
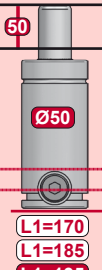
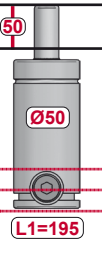
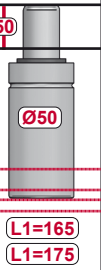
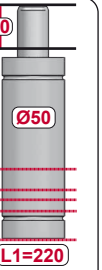
Heavy Duty

	GM	90.25.05
VW	39D 838	

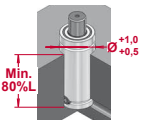


ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³	Kg.	lb
CD 1000 013 V1	13	0.51	121	4.76	108	4.25	925	2079	1113	2503	47	2.9	1.18	2.60
CD 1000 025 V1	25	0.98	145	5.71	120	4.72			1209	2719	65	4.0	1.28	2.82
CD 1000 038 V1	38	1.50	171	6.73	133	5.24			1276	2868	85	5.2	1.39	3.06
CD 1000 050 V1	50	1.97	195	7.68	145	5.71			1318	2963	103	6.3	1.49	3.28
CD 1000 063 V1	63.5	2.50	222	8.74	158.5	6.24	±5% 150 bar 2175 psi at 20°C 68°F		1353	3041	124	7.5	1.60	3.53
CD 1000 080 V1	80	3.15	255	10.04	175	6.89			1384	3111	149	9.1	1.74	3.84
CD 1000 100 V1	100	3.94	295	11.61	195	7.68			1411	3172	179	10.9	1.90	4.19
CD 1000 125 V1	125	4.92	345	13.58	220	8.66			1435	3226	217	13.2	2.11	4.65
CD 1000 160 V1	160	6.30	415	16.34	255	10.04			1458	3278	269	16.4	2.41	5.31
CD 1000 175 V1	175	6.89	445	17.52	270	10.63			1466	3295	292	17.8	2.53	5.58
CD 1000 200 V1	200	7.87	495	19.49	295	11.61			1476	3318	330	20.1	2.74	6.04
CD 1000 250 V1	250	9.84	595	23.43	345	13.58	1491	3352	405	24.7	3.16	6.97		
CD 1000 300 V1	300	11.81	695	27.36	395	15.55	1502	3376	481	29.4	3.58	7.89		

TECHNICAL DATA													
	Fluid	N ₂		Pmin	Pmax	20 bar	150 bar		Charging Adapter	18 CG 1-Q			
	Smax	< 90%		20°C / 68°F	290 psi	20°C / 68°F	2175 psi		Connection	CD-H 1000 XXX V1			
	Vmax	1,6 m/s		Tmin	Tmax	0 °C	80 °C		Cardridge Kit	2840T420A			
						32 °F	176 °F						

  								
MODEL		CW 1000 CWC 1000 KZ/KT 1000		CT 1000 CK 1000 FD 750	GN 750 CM 1000 CD 1000	AG 750	CPH 1700 CP 2000	CS 1800

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-050  A34-050 	B21-050  B76-050 	C05-050  C20-050 	D02-050  D67-050 

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

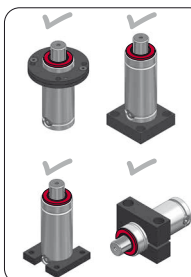
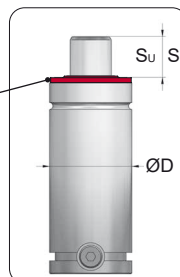
PW Protective Wiper

			
HOW TO ORDER			
	CD 1000 050 V1	28	50
	CD 1000 050 V1 + PW 028 050		

PW does not involve any variation of the dimensions of the gas spring.
The useful stroke keeps the same as nominal stroke.

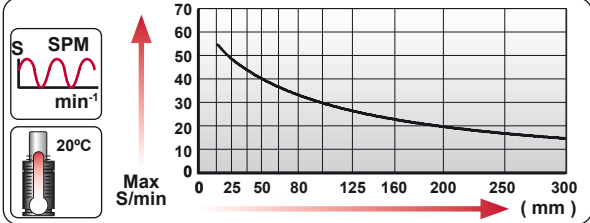
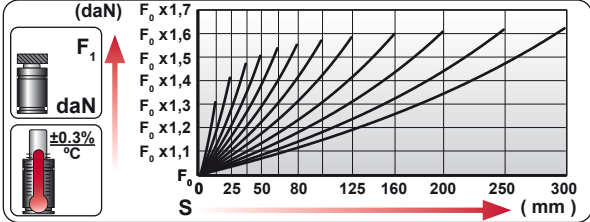
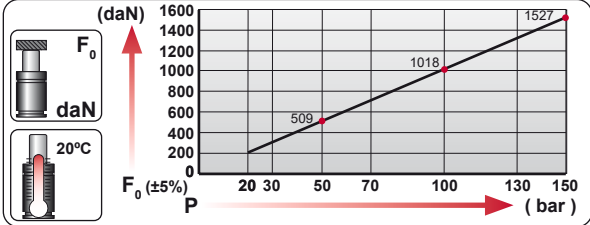
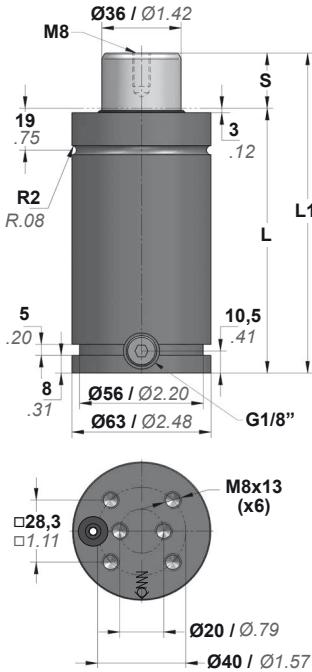


Protective Wiper



CD 1500 V2

Heavy Duty

**AZOL
GAS****VDI
SAFETY****STANDARDS**

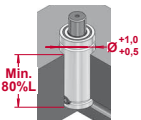
ORDER	S		L1 ± 0.25		L		F_0 Initial Force		F_1 (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³	Kg.	lb
CD 1500 013 V2	13	0.51	121	4.76	108	4.25	1530 3440 ±5% 150 bar 2175 psi at 20°C 68°F		2000	4496	56	3.4	2.02	4.45
CD 1500 025 V2	25	0.98	145	5.71	120	4.72			2160	4856	87	5.3	2.17	4.78
CD 1500 038 V2	38	1.50	171	6.73	133	5.24			2251	5061	121	7.4	2.33	5.14
CD 1500 050 V2	50	1.97	195	7.68	145	5.71			2303	5177	152	9.3	2.48	5.47
CD 1500 063 V2	63.5	2.50	222	8.74	158.5	6.24			2342	5265	186	11.4	2.64	5.82
CD 1500 080 V2	80	3.15	255	10.04	175	6.89			2375	5339	229	14.0	2.84	6.26
CD 1500 100 V2	100	3.94	295	11.61	195	7.68			2402	5399	280	17.1	3.09	6.81
CD 1500 125 V2	125	4.92	345	13.58	220	8.66			2425	5451	345	21.0	3.39	7.47
CD 1500 160 V2	160	6.30	415	16.34	255	10.04			2446	5498	435	26.5	3.82	8.42
CD 1500 200 V2	200	7.87	495	19.49	295	11.61			2461	5533	538	32.8	4.31	9.50
CD 1500 250 V2	250	9.84	595	23.43	345	13.58			2474	5562	667	40.7	4.92	10.85
CD 1500 300 V2	300	11.81	695	27.36	395	15.55			2483	5582	796	48.6	5.54	12.21

TECHNICAL DATA

	Fluid	N ₂		Pmin Pmax 20°C / 68°F	20 bar 290 psi	150 bar 2175 psi		Charging Adapter	18 CG 1-Q
	Smax	< 90%		Tmin Tmax	0 °C 32 °F	80 °C 176 °F		Connection	CD-H 1500 XXX V2
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C			Cardridge Kit	3652L440A

 1/8 mm	 1/2 mm	 1 mm	 Ø63 L1=144 L1=152 L1=154	 Ø63 L1=152 L1=160	 Ø63 L1=185 L1=195	 Ø63 L1=175 L1=190	 Ø63 L1=205
			MODEL CW 1500 KZ/KT 1500 CWC 1500	CT 1500 CK 1500	CM 1500 CD 1500	CPH 2800 CP 3000	CS 3000

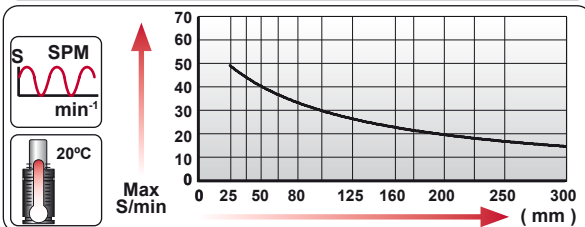
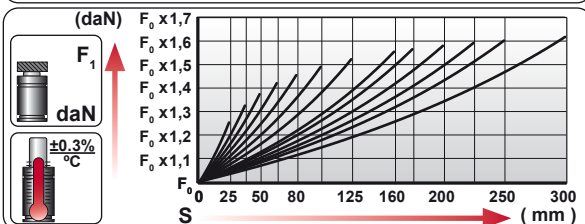
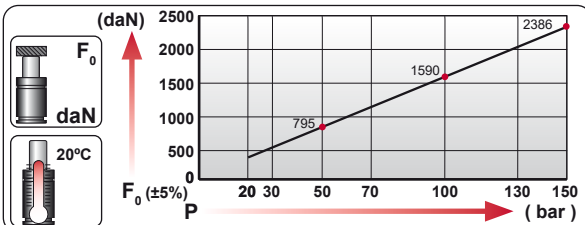
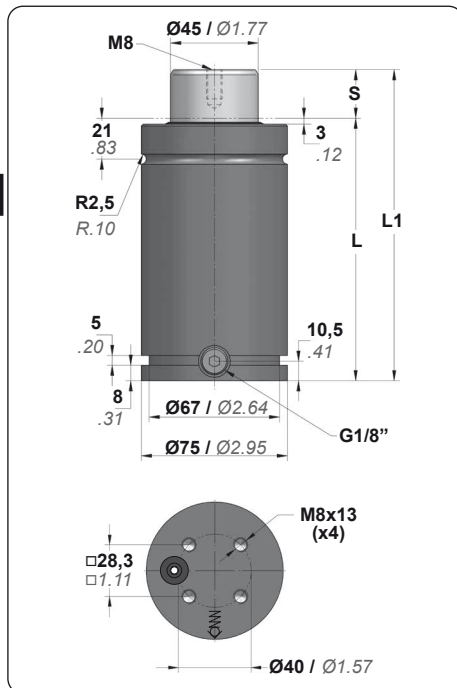
MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-063  581 A39-063  583 A69-063  583	B21-075  590 B76-075  594	C05-063  596 C35-063  599	D02-063  600 D67-063  602

CD 2400

Heavy Duty

	GM	90.25.05	
VW	39D 838		

AZOL
GAS**VDI**
SAFETY**STANDARDS**

ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³	Kg.	lb
CD 2400 025	25	0.98	160	6.30	135	5.31	2385	5362	2993	6728	196	11.9	3.06	6.75
CD 2400 038	38	1.50	186	7.32	148	5.83			3164	7113	245	15.0	3.28	7.23
CD 2400 050	50	1.97	210	8.27	160	6.30			3280	7375	291	17.8	3.48	7.67
CD 2400 063	63.5	2.50	237	9.33	173.5	6.83			3380	7600	343	20.9	3.72	8.20
CD 2400 080	80	3.15	270	10.63	190	7.48			3473	7808	406	24.8	4.00	8.82
CD 2400 100	100	3.94	310	12.20	210	8.27			3558	7998	483	29.4	4.34	9.57
CD 2400 125	125	4.92	360	14.17	235	9.25			3635	8172	578	35.3	4.77	10.52
CD 2400 160	160	6.30	430	16.93	270	10.63			3712	8344	712	43.4	5.37	11.84
CD 2400 175	175	6.89	460	18.11	285	11.22			3737	8401	769	46.9	5.63	12.41
CD 2400 200	200	7.87	510	20.08	310	12.20			3772	8480	865	52.8	6.06	13.36
CD 2400 225	225	8.86	560	22.05	335	13.19			3801	8545	961	58.6	6.48	14.29
CD 2400 250	250	9.84	610	24.02	360	14.17			3825	8599	1056	64.5	6.91	15.23
CD 2400 300	300	11.81	710	27.95	410	16.14			3862	8683	1247	76.1	7.77	17.13

TECHNICAL DATA

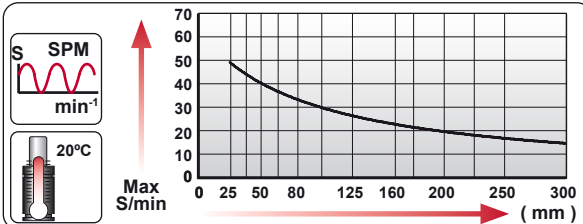
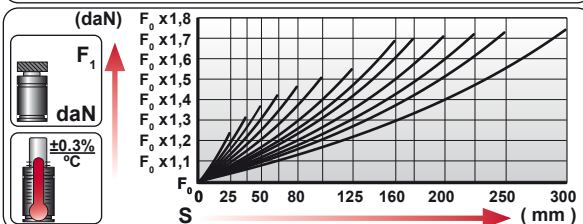
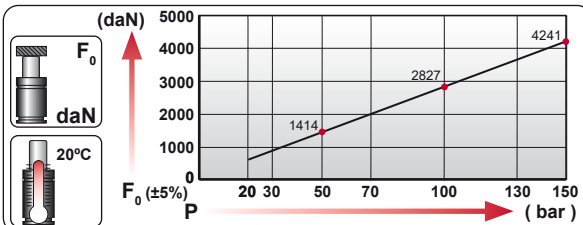
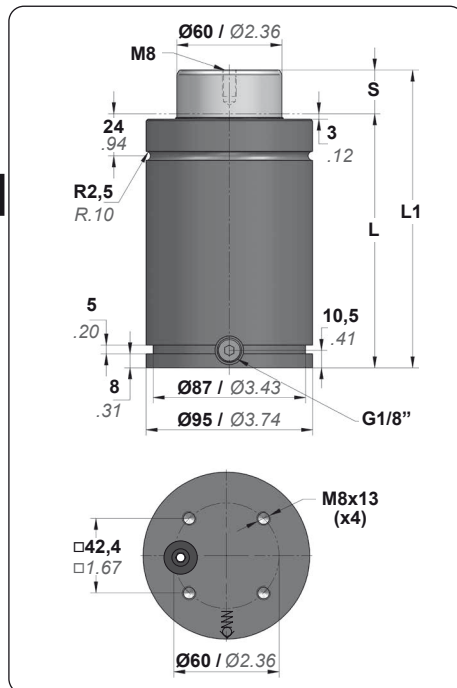
	Fluid	N ₂		Pmin Pmax 20°C / 68°F	20 bar 290 psi	150 bar 2175 psi		Charging Adapter	18 CG 1-Q
	Smax	< 90%		Tmin Tmax	0 °C 32 °F	80 °C 176 °F		Connection	CD-H 2400 XXX
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C			Cardridge Kit	4563R470A

CD 4200

Heavy Duty

	GM 90.25.05	
VW 39D 838		

AZOL 
GAS



VDI SAFETY

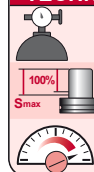


STANDARDS



ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm³	in³	Kg.	lb
CD 4200 025	25	0.98	170	6.69	145	5.71	4240	9532	5247	11797	368	22.5	5.21	11.49
CD 4200 038	38	1.50	196	7.72	158	6.22			5570	12523	450	27.5	5.58	12.30
CD 4200 050	50	1.97	220	8.66	170	6.69	±5% 150 bar 2175 psi at 20°C 68°F	5801	13042	525	32.1	5.93	13.07	
CD 4200 063	63.5	2.50	247	9.72	183.5	7.22		6008	13507	610	37.2	6.31	13.91	
CD 4200 080	80	3.15	280	11.02	200	7.87		6207	13954	714	43.6	6.78	14.95	
CD 4200 100	100	3.94	320	12.60	220	8.66		6393	14373	839	51.2	7.35	16.20	
CD 4200 125	125	4.92	370	14.57	245	9.65		6570	14770	937	60.8	8.06	17.77	
CD 4200 160	160	6.30	440	17.32	280	11.02		7136	16043	1115	68.0	9.06	19.97	
CD 4200 175	175	6.89	470	18.50	295	11.61		7178	16137	1209	73.8	9.49	20.92	
CD 4200 200	200	7.87	520	20.47	320	12.60		7235	16266	1366	83.4	10.2	22.49	
CD 4200 225	225	8.86	570	22.44	345	13.58		7281	16369	1523	92.9	10.92	24.07	
CD 4200 250	250	9.84	620	24.41	370	14.57		7319	16455	1680	102.5	11.63	25.64	
CD 4200 300	300	11.81	720	28.35	420	16.54	7378	16587	1954	121.7	13.05	28.77		

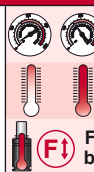
TECHNICAL DATA



Fluid

N.

90%



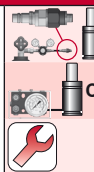
Pmin Pmax
20°C / 68°F

Tmin Tmax

Force variation by temperature

20 bar 150 bar
290 psi 2175 psi

0 °C	80 °C
32 °F	176 °F



Charging

Connection

Cardtridge Kit

18 CG 1-Q

CD-H 4200 XXX

$S \leq 125\text{mm}$	6080U440A
$S \geq 160\text{mm}$	6080U710A

MODEL		CW 4200 KZ 4200 KT 4200		CK 4000 FD 3000	GN 3000 CM 4000 CD 4200	AG 3000	CP 8000	CS 7500

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
HOW TO ORDER		A14-095 581 A34-095 582	B21-095 590 B76-095 594	C05-095 597 C20-095 598	D02-095 601 D67-095 603

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

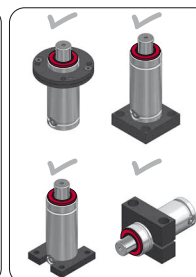
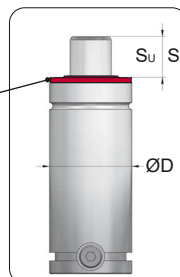
PW Protective Wiper

HOW TO ORDER

CD 4200 050 **60** **95**
CD 4200 050 + PW 060 095



Protective Wiper



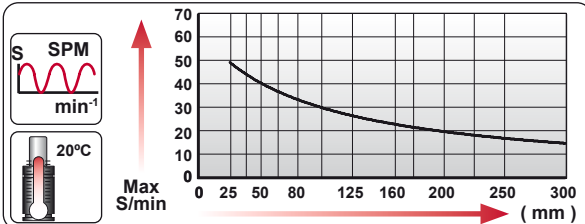
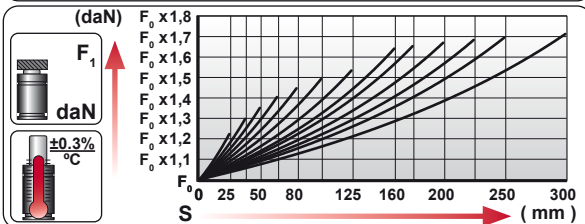
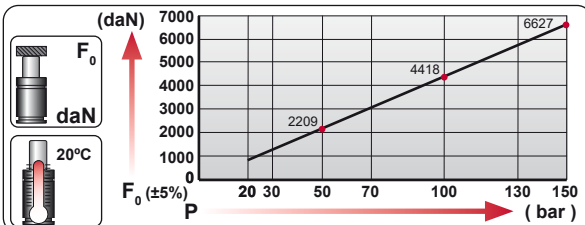
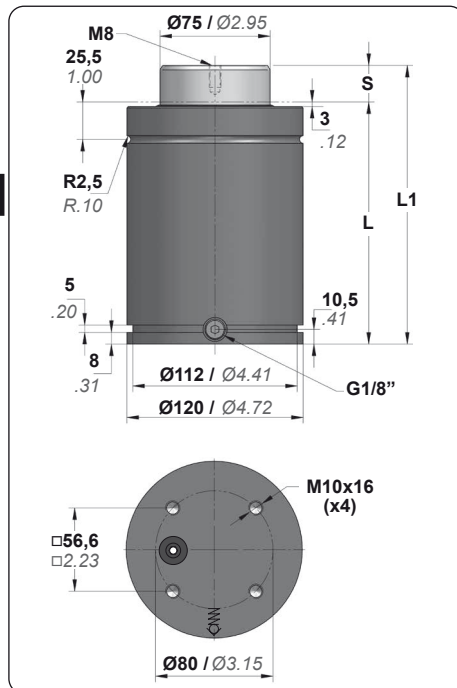
PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.

CD 6600

Heavy Duty

	GM 90.25.05	
VW 39D 838		

AZOL 
GAS



VDI SAFETY

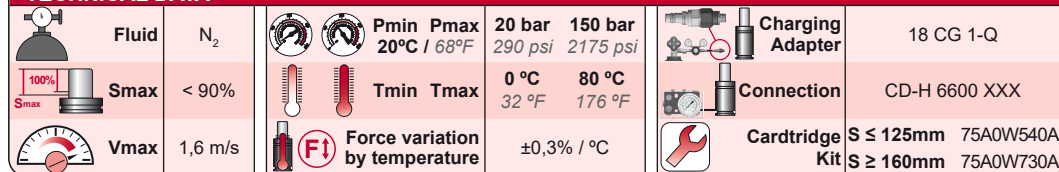


STANDARDS



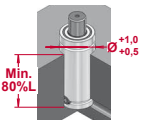
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm³	in³	Kg.	lb
CD 6600 025	25	0.98	190	7.48	165	6.50	6630	14905	8123	18262	601	36.7	9.99	22.02
CD 6600 038	38	1.50	216	8.50	178	7.01			8616	19368	728	44.5	10.59	23.35
CD 6600 050	50	1.97	240	9.45	190	7.48			8972	20169	846	51.6	11.15	24.58
CD 6600 063	63.5	2.50	267	10.51	203.5	8.01			9294	20893	979	59.7	11.78	25.97
CD 6600 080	80	3.15	300	11.81	220	8.66			9606	21595	1141	69.6	12.54	27.65
CD 6600 100	100	3.94	340	13.39	240	9.45	150 bar 2175 psi at 20°C 68°F	9901	22259	1337	81.6	13.47	29.70	
CD 6600 125	125	4.92	390	15.35	265	10.43		10183	22893	1583	96.6	14.63	32.25	
CD 6600 160	160	6.30	460	18.11	300	11.81		10788	24253	1834	111.9	16.25	35.82	
CD 6600 175	175	6.89	490	19.29	315	12.40		10873	24444	1981	120.9	16.95	37.37	
CD 6600 200	200	7.87	540	21.26	340	13.39		10992	24711	2227	135.9	18.11	39.93	
CD 6600 225	225	8.86	590	23.23	365	14.37	11089	24929	2472	150.9	19.27	42.48		
CD 6600 250	250	9.84	640	25.20	390	15.35	11170	25111	2717	165.8	20.43	45.04		
CD 6600 300	300	11.81	740	29.13	440	17.32	11297	25396	3208	195.8	22.75	50.15		

TECHNICAL DATA



								
								
		  			  			
MODEL		CW 6600 KZ 6600 KT 6600		FD 5000	GN 5000 CM 6500 CD 6600	AG 5000		CS 11800

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-120  A34-120 	B21-120  B76-120 	C05-120  C20-120 	D02-120  D67-120 

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

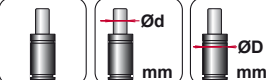
PW Protective Wiper



HOW TO ORDER

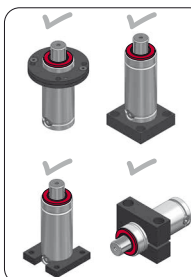
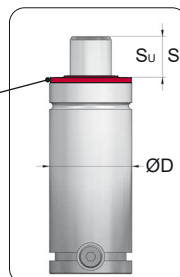
CD 6600 050 75 120

CD 6600 050 + PW 075 120





Protective Wiper

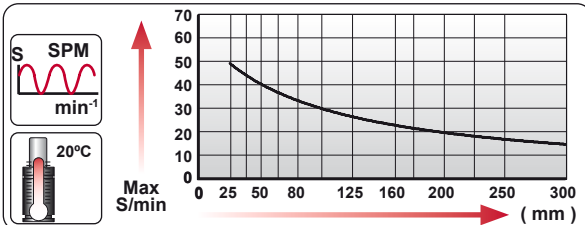
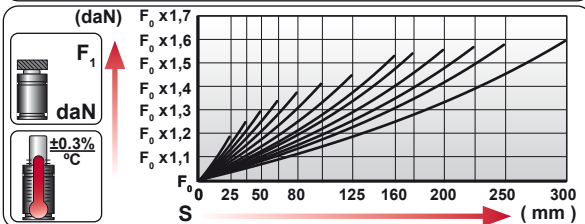
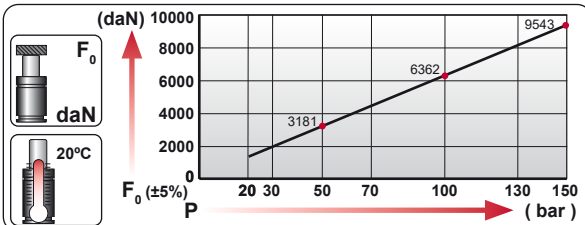
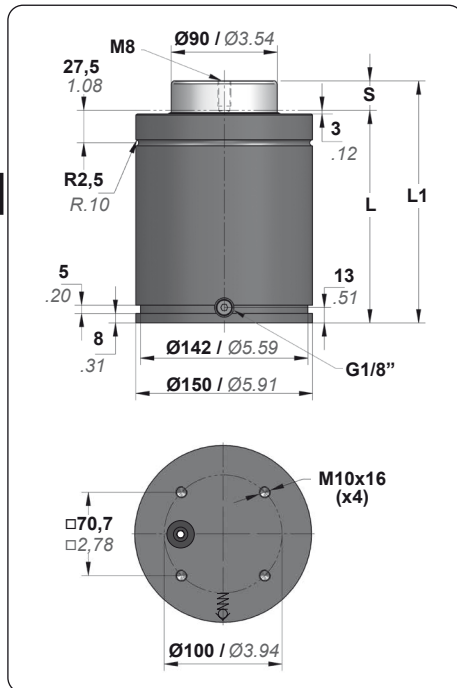


PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.

CD 9600

Heavy Duty

	GM	90.25.05	
VW	39D 838		

**AZOL
GAS****VDI
SAFETY****STANDARDS**

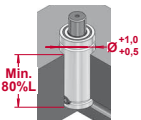
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³	Kg.	lb
CD 9600 025	25	0.98	205	8.07	180	7.09	9540	21447	11319	25447	1012	61.7	17.07	37.63
CD 9600 038	38	1.50	231	9.09	193	7.60					1214	74.1	17.93	39.53
CD 9600 050	50	1.97	255	10.04	205	8.07					1401	85.5	18.72	41.27
CD 9600 063	63.5	2.50	282	11.10	218.5	8.60					1612	98.4	19.62	43.25
CD 9600 080	80	3.15	315	12.40	235	9.25					1869	114.1	20.71	45.66
CD 9600 100	100	3.94	355	13.98	255	10.04					2181	133.1	22.04	48.59
CD 9600 125	125	4.92	405	15.94	280	11.02					2571	156.9	23.70	52.25
CD 9600 160	160	6.30	475	18.70	315	12.40					2945	179.7	26.02	57.36
CD 9600 175	175	6.89	505	19.88	330	12.99					3178	194.0	27.01	59.55
CD 9600 200	200	7.87	555	21.85	355	13.98					3568	217.7	28.67	63.21
CD 9600 225	225	8.86	605	23.82	380	14.96					3958	241.5	30.32	66.84
CD 9600 250	250	9.84	655	25.79	405	15.94					4348	265.3	31.98	70.50
CD 9600 300	300	11.81	755	29.72	455	17.91					5127	312.9	35.29	77.80

TECHNICAL DATA

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MODEL		CW 9500 CW 11800 KT 9500			GN 7500 CM 10000 CD 9600	AG 7500		CS 18300

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-150  A34-150 	B21-150  B76-150 	C05-150  C20-150 	D02-150  D67-150 

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper



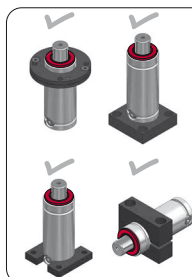
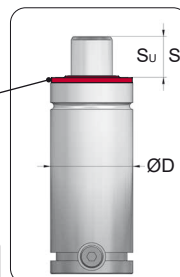
HOW TO ORDER

CD 9600 050 90 150

CD 9600 050 + PW 090 150



Protective Wiper

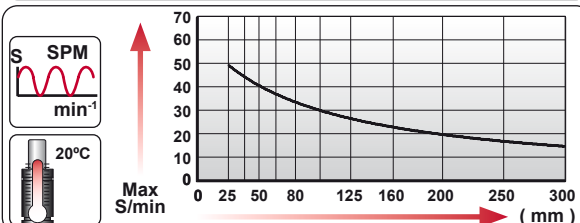
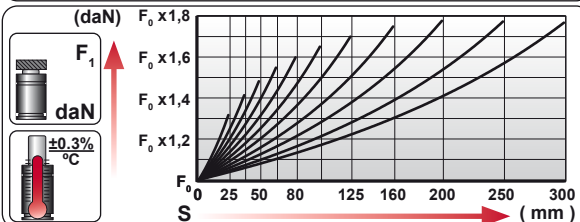
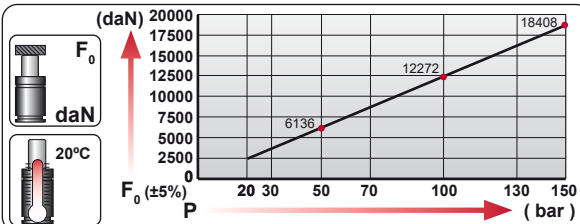
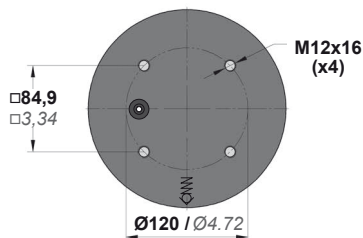
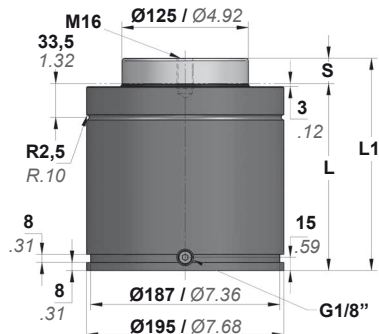


PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.

CD 18500

Heavy Duty

	GM	90.25.05

AZOL
GAS**VDI**
SAFETY**STANDARDS**

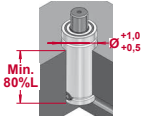
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³	Kg.	lb
CD 18500 025	25	0.98	210	8.27	185	7.28	18410	41387	24270	54562	1271	77.5	33.88	74.69
CD 18500 038	38	1.50	236	9.29	198	7.80			26055	58573	1589	97.0	35.68	78.66
CD 18500 050	50	1.97	260	10.24	210	8.27	±5% 150 bar 2175 psi at 20°C 68°F		27304	61382	1884	114.9	37.33	82.30
CD 18500 063	63.5	2.50	287	11.30	223.5	8.80			28404	63855	2215	135.2	39.20	86.42
CD 18500 080	80	3.15	320	12.60	240	9.45			29447	66199	2619	159.8	41.48	91.45
CD 18500 100	100	3.94	360	14.17	260	10.24			30410	68365	3110	189.8	44.25	97.55
CD 18500 125	125	4.92	410	16.14	285	11.22			31311	70390	3723	227.2	47.70	105.16
CD 18500 160	160	6.30	480	18.90	320	12.60			32218	72430	4581	279.6	52.54	115.83
CD 18500 200	200	7.87	560	22.05	360	14.17			32729	73577	5610	342.3	58.07	128.02
CD 18500 250	250	9.84	660	25.98	410	16.14			32666	73435	7030	429.0	64.99	143.28
CD 18500 300	300	11.81	760	29.92	460	18.11			32563	73204	8470	516.9	71.90	158.51

TECHNICAL DATA

	Fluid	N ₂		Pmin Pmax 20°C / 68°F	20 bar 290 psi	150 bar 2175 psi		Charging Adapter	18 CG 1-Q
	Smax	< 90%		Tmin Tmax	0 °C 32 °F	80 °C 176 °F		Connection	
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C			Cardridge Kit	C5G0Y950A

  								
		50 Ø195 L1=210			50 Ø195 L1=260	50 Ø195 L1=260		
	MODEL	CW 20000			CD 18500	AG 10000		

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-195  581 A34-195  583	B21-195  591 B76-195  595	C05-195  597 C20-195  599	D02-195  601



GAS SPRINGS



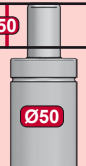
AZOL GAS



HEAVY DUTY CM

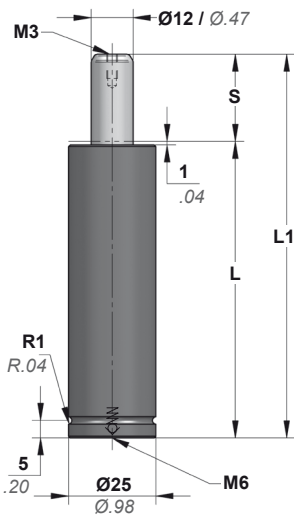
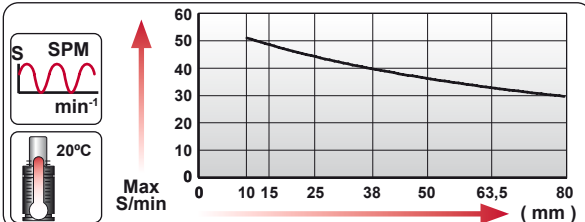
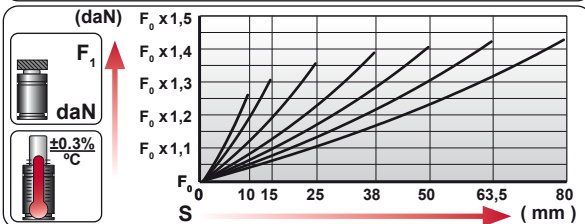
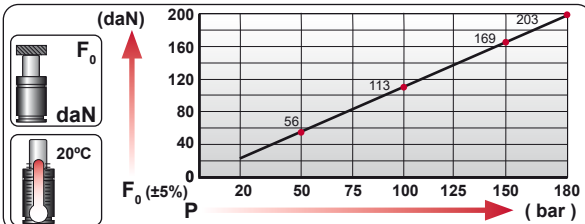
- Smaller size than ISO gas springs
- Higher force than ISO standard
- Contact force (200-10000 daN)
- Used for heavy duty work

MODEL	F ₀ daN lb	Ø mm inch	S mm inch	L1 mm inch	Pmax bar psi	Charge Port		
CM 200	200 450	Ø25 Ø0.98	10 - 80 0.39 - 3.15	80 - 220 3.15 - 8.66	180 2610	M6	X	✓
CM 300	300 674	Ø32 Ø1.26	10 - 125 0.39 - 4.92	80 - 310 3.15 - 12.20	150 2175	M6	✓	✓
CM 350 V1	350 787	Ø32 Ø1.26	10 - 125 0.39 - 4.92	70 - 300 2.76 - 11.81	180 2610	M6	✓	✓
CM 500 V2	500 1124	Ø38 Ø1.50	10 - 125 0.39 - 4.92	75 - 310 2.95 - 12.20	150 2175	M6	✓	✓
CM 600 V1	600 1349	Ø45 Ø1.77	12 - 100 0.47 - 3.94	84 - 260 3.31 - 10.24	150 2175	M6	✓	✓
CM 1000 V1	1000 2248	Ø50 Ø1.97	13 - 200 0.51 - 7.87	111 - 495 4.37 - 19.49	160 2320	G1/8"	✓	✓
CM 1500 V2	1500 3372	Ø63 Ø2.48	13 - 200 0.51 - 7.87	111 - 495 4.37 - 19.49	150 2175	G1/8"	✓	✓
CM 2500 V1	2500 5620	Ø75 Ø2.95	25 - 200 0.98 - 7.87	145 - 510 5.71 - 20.08	160 2320	G1/8"	✓	✓
CM 4000 V1	4000 8992	Ø95 Ø3.74	25 - 200 0.98 - 7.87	155 - 530 6.10 - 20.87	150 2175	G1/8"	✓	✓
CM 6500 V1	6500 14613	Ø120 Ø4.72	25 - 200 0.98 - 7.87	165 - 540 6.50 - 21.26	150 2175	G1/8"	✓	✓
CM 10000	10000 22481	Ø150 Ø5.91	25 - 200 0.98 - 7.87	186 - 536 7.32 - 21.10	160 2320	G1/8"	✓	✓

 s mm	 Ø mm	 L1 mm	 50 Ø50 L1=138 L1=148 L1=152	 50 Ø50 L1=138 L1=150 L1=150	 50 Ø50 L1=170 L1=185 L1=195	 50 Ø50 L1=195	 50 Ø50 L1=165 L1=175	 50 Ø50 L1=220
MODEL	X	CW 1000 CWC 1000 KZ/KT 1000	X	CT 1000 CK 1000 FD 750	GN 750 CM 1000 CD 1000	AG 750	CPH 1700 CP 2000	CS 1800
SERIES	MINI	COMPACT HEIGHT	THREADED	LOW PROFILE	HEAVY DUTY	ISO	HEAVY LOAD	POWER SHORT STROKE
	 ISO	 ISO <L1	 ISO	 ISO <L1	 ISO >F₀	 ISO ISO 150	 >P_{max} ISO 150	 <S >F₀

CM 200

Heavy Duty

**AZOL
GAS**Not to be
fixed by screws**VDI
SAFETY****STANDARDS**

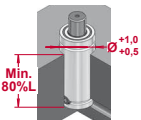
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.		Kg. / lb	
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³		
CM 200 010	10	0.39	80	3.15	70	2.76	205 ±5% 180 bar 2610 psi at 20°C 68°F	461	282	634	4	0.3	0.22	0.49
CM 200 015	15	0.59	90	3.54	75	2.95			288	646	6	0.4	0.23	0.51
CM 200 025	25	0.98	110	4.33	85	3.35			293	658	9	0.6	0.25	0.55
CM 200 038	38	1.50	136	5.35	98	3.86			296	665	14	0.9	0.28	0.62
CM 200 050	50	1.97	160	6.30	110	4.33			297	668	18	1.1	0.30	0.66
CM 200 063	63.5	2.50	186.5	7.34	123	4.84			298	670	23	1.4	0.33	0.73
CM 200 080	80	3.15	220	8.66	140	5.51			299	672	29	1.8	0.36	0.79

TECHNICAL DATA

	Fluid	N ₂		Pmin Pmax 20°C / 68°F	20 bar 290 psi	180 bar 2610 psi		Charging Adapter	06 CG 2-Q
	Smax	< 90%		Tmin Tmax	0 °C 32 °F	80 °C 176 °F		Connection	X
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C			Cardridge Kit	12Y0B230A

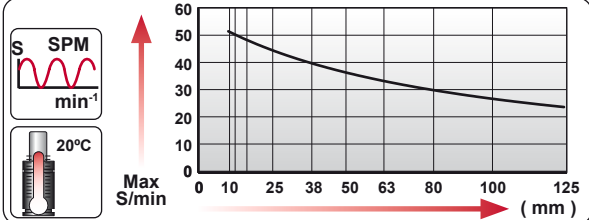
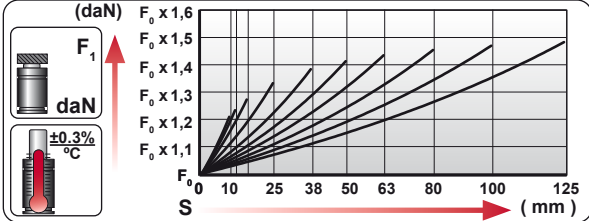
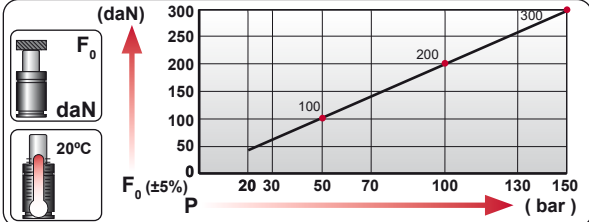
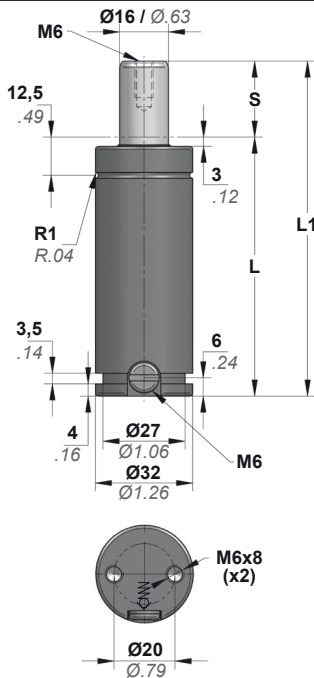
 L1 mm	 Ø25 L1=142 L1=145 L1=154	 Ø25 L1=130		 Ø25 L1=132 L1=133	 Ø25 L1=160		 Ø25 L1=160	 Ø25 L1=195
MODEL	AFC/AFD AFNA AF	CW 320		CK 200 CT 200	CM 200		CP 300	CS 420

MOUNTING OPTIONS

	Drop-in  $\pm 1,0$ $\varnothing +0,5$ Min. 80%L	Top Mount 	Base Mount 	Foot Mount 	Support Mount 
HOW TO ORDER		A14-025  A44-025  A49-025 			

CM 300

Heavy Duty

**AZOL
GAS****VDI
SAFETY****STANDARS**

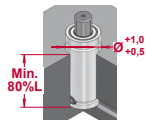
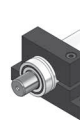
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm³	in³	Kg.	lb
CM 300 010	10	0.39	80	3.15	70	2.76	300	674	363	817	12	0.7	0.32	0.71
CM 300 012	12	0.47	84	3.31	72	2.83			371	833	13	0.8	0.32	0.71
CM 300 016	16	0.63	92	3.62	76	2.99			382	859	15	0.9	0.34	0.75
CM 300 025	25	0.98	110	4.33	85	3.35			400	900	20	1.2	0.37	0.82
CM 300 038	38	1.50	136	5.35	98	3.86			416	934	27	1.7	0.41	0.90
CM 300 050	50	1.97	160	6.30	110	4.33			424	954	34	2.1	0.45	0.99
CM 300 063	63	2.48	186	7.32	123	4.84			431	969	42	2.5	0.50	1.10
CM 300 080	80	3.15	220	8.66	140	5.51			437	982	51	3.1	0.56	1.23
CM 300 100	100	3.94	260	10.24	160	6.30			441	992	63	3.8	0.62	1.37
CM 300 125	125	4.92	310	12.20	185	7.28			445	1001	77	4.7	0.71	1.57

TECHNICAL DATA

	Fluid	N ₂		Pmin Pmax 20°C / 68°F	20 bar 290 psi	150 bar 2175 psi		Charging Adapter	06 CG 2-Q
	Sm	< 90%		Tmin Tmax	0 °C 32 °F	80 °C 176 °F		Connection	CM-H 300 XXX
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C			Cardridge Kit	1625A195B

								
50	50		50	50	50	50	50	50
								
Ø32	Ø32		Ø32	Ø32	Ø32	Ø32	Ø32	
L1=142	L1=130 L1=140		L1=137 L1=139	L1=150 L1=150 L1=160	L1=150	L1=155	L1=195	
MODEL	AFT	CW 350 KZ 350	CT 300 CK 300	CM 350 CD 300 CM 300	AG 150	CP 500	CS 770	

MOUNTING OPTIONS

	Drop-in 	Top Mount 	Base Mount 	Foot Mount 	Support Mount 
HOW TO ORDER		A14-032  A44-032 		C20-032 	D67-032 
		580 584		598	602

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

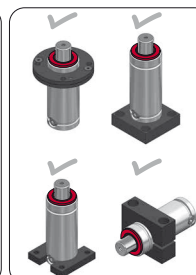
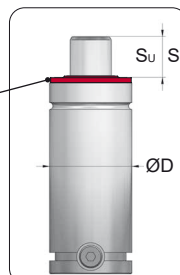
PW Protective Wiper

		
HOW TO ORDER	Ød mm	ØD mm
CM 300 050	16	32
CM 300 050 + PW 016 032		

PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.

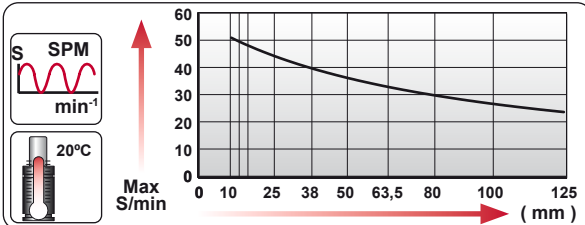
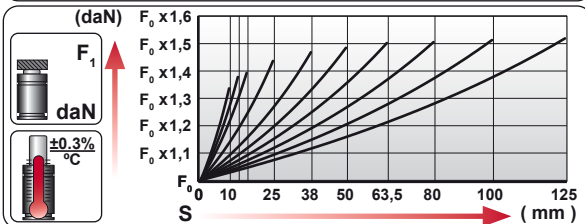
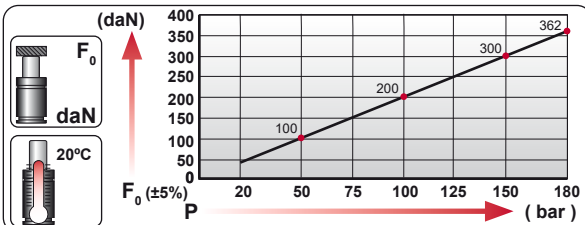
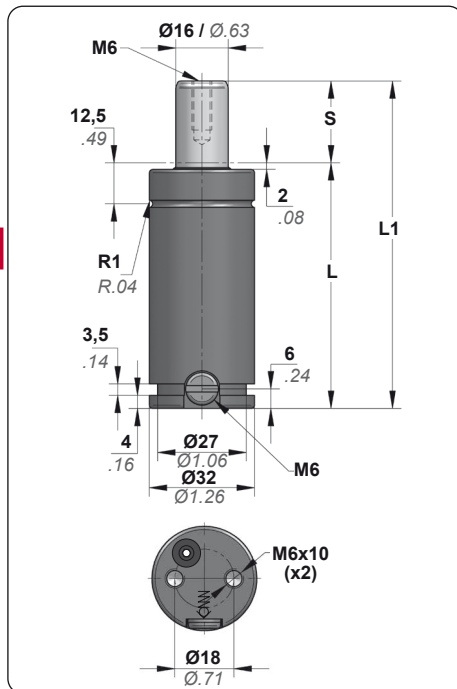


Protective Wiper



CM 350 V1

Heavy Duty

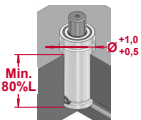
**AZOL
GAS****VDI
SAFETY****STANDARDS**

ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³	Kg.	lb
CM 350 010 V1	10	0.39	70	2.76	60	2.36	350	787	468	1053	8	0.5	0.28	0.62
CM 350 012 V1	12.7	0.50	75.4	2.97	62.7	2.47	±5% 175 bar 2540 psi at 20°C 68°F		479	1076	9	0.6	0.29	0.64
CM 350 016 V1	16	0.63	82	3.23	66	2.60			488	1097	11	0.7	0.30	0.66
CM 350 025 V1	25	0.98	100	3.94	75	2.95			503	1131	17	1.0	0.33	0.73
CM 350 038 V1	38	1.50	126	4.96	88	3.46			514	1156	24	1.5	0.37	0.82
CM 350 050 V1	50	1.97	150	5.91	100	3.94			520	1169	31	1.9	0.42	0.93
CM 350 063 V1	63.5	2.50	177	6.97	113.5	4.47			524	1178	38	2.3	0.46	1.01
CM 350 080 V1	80	3.15	210	8.27	130	5.12			527	1186	48	2.9	0.52	1.15
CM 350 100 V1	100	3.94	250	9.84	150	5.91			530	1191	59	3.6	0.59	1.30
CM 350 125 V1	125	4.92	300	11.81	175	6.89			532	1196	73	4.5	0.67	1.48

TECHNICAL DATA

								
50	50		50	50	50	50	50	50
								
	L1=130		L1=137	L1=150	L1=150	L1=155	L1=195	
	L1=140		L1=139	L1=150				
				L1=160				
MODEL	AFT	CW 350 KZ 350	CT 300 CK 300	CM 350 CD 300 CM 300	AG 150	CP 500	CS 770	

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-032  A44-032 		C20-032 	D67-032 

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper



HOW TO ORDER

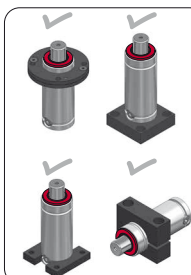
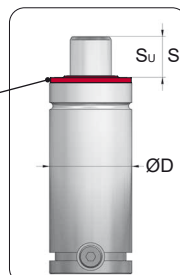
CM 350 050 V1 16 32

CM 350 050 V1 + PW 016 032

PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.

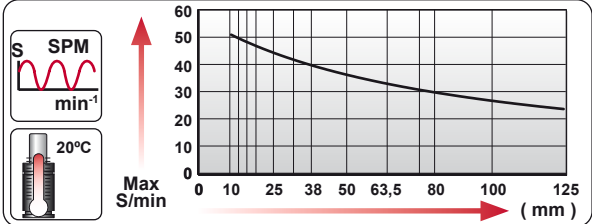
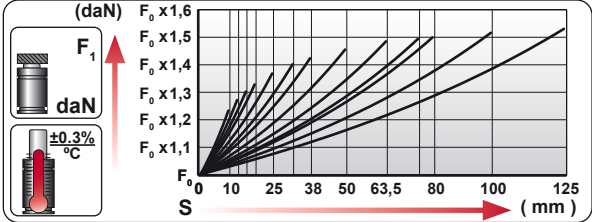
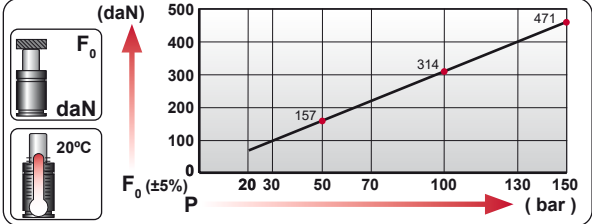
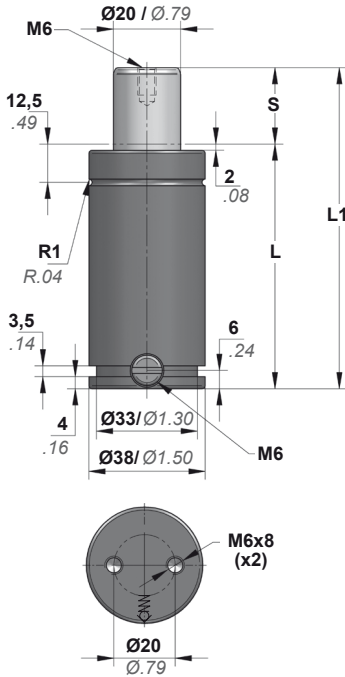


Protective Wiper



CM 500 V2

Heavy Duty

**AZOL
GAS****VDI
SAFETY****STANDARS**

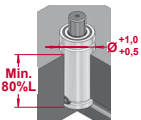
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³	Kg.	lb
CM 500 010 V2	10	0.39	75	2.95	65	2.56	470 1057 ±5% 150 bar 2175 psi at 20°C 68°F		580	1305	17	1.0	0.42	0.93
CM 500 013 V2	13	0.51	81	3.19	68	2.68			598	1345	19	1.2	0.43	0.95
CM 500 016 V2	16	0.63	87	3.43	71	2.80			613	1378	22	1.3	0.45	0.99
CM 500 019 V2	19	0.75	93	3.66	74	2.91			625	1405	24	1.5	0.46	1.01
CM 500 025 V2	25	0.98	105	4.13	80	3.15			644	1447	29	1.8	0.49	1.08
CM 500 032 V2	32	1.26	119	4.69	87	3.43			660	1483	35	2.1	0.52	1.15
CM 500 038 V2	38	1.50	131	5.16	93	3.66			670	1506	40	2.4	0.55	1.21
CM 500 050 V2	50	1.97	155	6.10	105	4.13			685	1539	50	3.1	0.61	1.34
CM 500 063 V2	63.5	2.50	187	7.36	123.5	4.86			696	1565	61	3.7	0.69	1.52
CM 500 075 V2	75	2.95	210	8.27	135	5.31			703	1581	71	4.3	0.75	1.65
CM 500 080 V2	80	3.15	220	8.66	140	5.51			706	1586	75	4.6	0.77	1.70
CM 500 100 V2	100	3.94	260	10.24	160	6.30			713	1604	92	5.6	0.87	1.92
CM 500 125 V2	125	4.92	310	12.20	185	7.28			720	1619	113	6.9	0.98	2.16

TECHNICAL DATA

 Fluid Smax Vmax	N ₂	 Pmin Pmax 20°C / 68°F Tmin Tmax 	20 bar 290 psi 150 bar 2175 psi 	 Charging Adapter 	06 CG 2-Q
	< 90%	Force variation by temperature 	0 °C 32 °F 80 °C 176 °F 	 Connection 	CM-H 500 XXX V2
	1,6 m/s		±0,3% / °C	 Cardridge Kit 	2030B190B

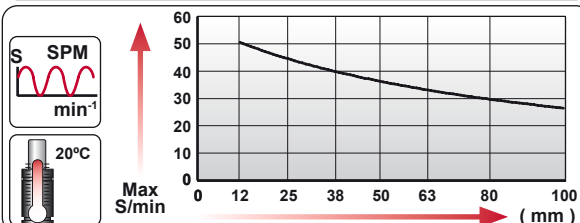
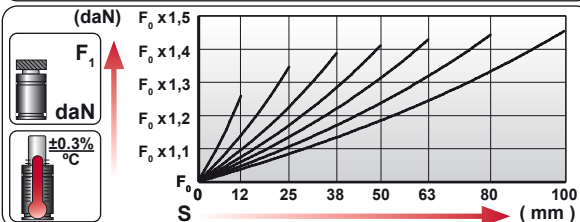
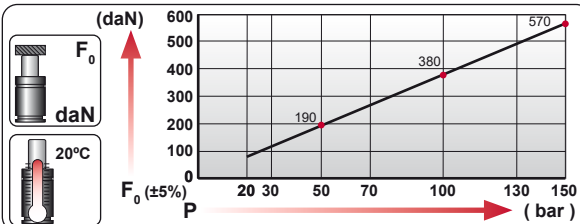
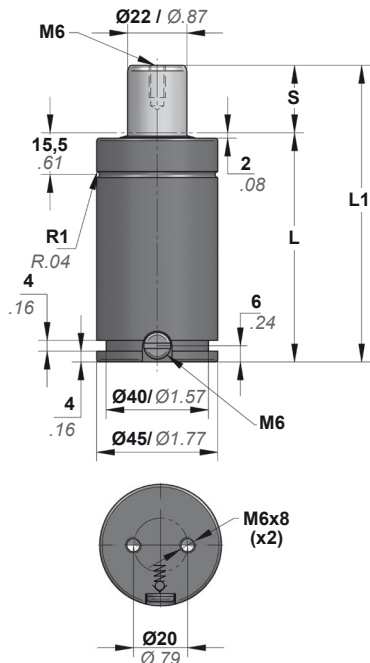
 1/8 mm  1/2 mm  1 mm		 Ø38 L1=130 L1=140	 Ø38 L1=150	 Ø38 L1=132 L1=137 L1=150	 Ø38 L1=150 L1=155	 Ø38 L1=150	 Ø38 L1=155 L1=160	 Ø38 L1=230
	MODEL	CW 500 KZ 500	AS 300	CT 500 CK 500 FD 300	CD 500 CM 500	AG 250	CPH 850 CP 1000	CS 1000

MOUNTING OPTIONS

	Drop-in 	Top Mount 	Base Mount 	Foot Mount 	Support Mount 
HOW TO ORDER		A14-038 580 A34-038 582		C20-038 598	D67-038 602

CM 600 V1

Heavy Duty

**AZOL
GAS****VDI
SAFETY****STANDARDS**

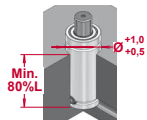
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm³	in³	Kg.	lb
CM 600 012 V1	12	0.47	84	3.31	72	2.83	570 1281 ±5% 150 bar 2175 psi at 20°C 68°F		813	1827	20	1.2	0.69	1.52
CM 600 025 V1	25	0.98	110	4.33	85	3.35			859	1931	36	2.2	0.77	1.70
CM 600 038 V1	38	1.50	136	5.35	98	3.86			878	1973	53	3.2	0.85	1.87
CM 600 050 V1	50	1.97	160	6.30	110	4.33			887	1994	69	4.2	0.92	2.03
CM 600 063 V1	63	2.48	186	7.32	123	4.84			893	2009	85	5.2	1.01	2.23
CM 600 080 V1	80	3.15	220	8.66	140	5.51			899	2021	107	6.5	1.11	2.45
CM 600 100 V1	100	3.94	260	10.24	160	6.30			903	2030	133	8.1	1.23	2.71

TECHNICAL DATA

	Fluid	N ₂		Pmin Pmax 20°C / 68°F	20 bar 290 psi	150 bar 2175 psi		Charging Adapter	06 CG 2-Q
	Smax	< 90%		Tmin Tmax	0 °C 32 °F	80 °C 176 °F		Connection	CM-H 600 XXX V1
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C			Cardridge Kit	2238E250B

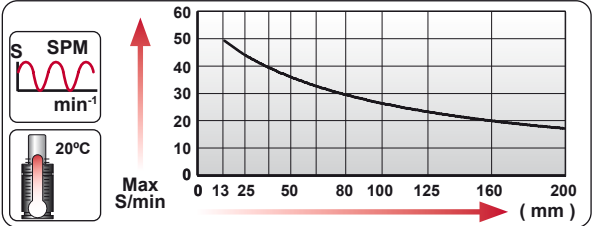
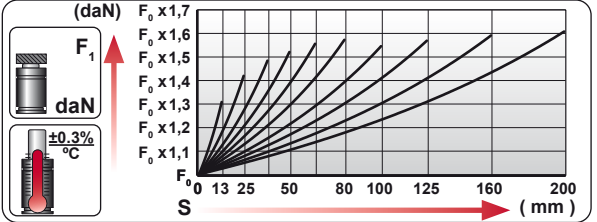
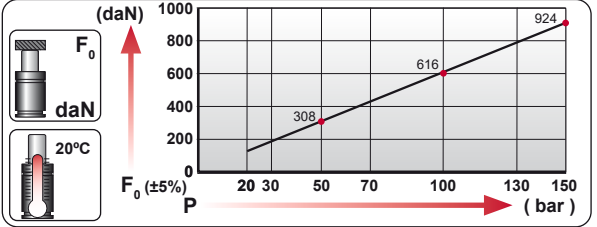
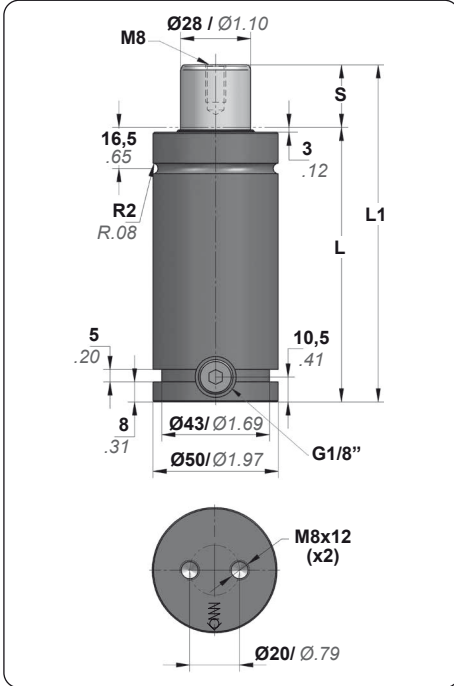
 1/8 mm	 2 mm	 L1 mm						
			Ø45 L1=132 L1=142 L1=147	Ø45 L1=138 L1=150 L1=150	Ø45 L1=160 L1=185	Ø45 L1=185	Ø45 L1=160	
			MODEL CW 750 CWC 750 KZ 750	CT 700 CK 750 FD 500	CM 600 CD 700	AG 500	CPH 1250	

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-045  581 A34-045  582		C20-045  598	D67-045  602

CM 1000 V1

Heavy Duty



VDI
SAFETY



STANDARDS



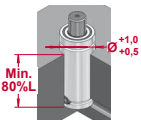
ORDER	S		L1 ± 0.25		L		F_0 Initial Force		F_1 (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³	Kg.	lb
CM 1000 013 V1	13	0.51	111	4.37	98	3.86	985 ±5% 160 bar 2320 psi at 20°C 68°F	2214	1281	2879	35	2.1	1.13	2.49
CM 1000 025 V1	25	0.98	135	5.31	110	4.33			1390	3125	53	3.2	1.23	2.71
CM 1000 038 V1	38	1.50	161	6.34	123	4.84			1455	3271	72	4.4	1.34	2.95
CM 1000 050 V1	50	1.97	185	7.28	135	5.31			1492	3354	91	5.5	1.44	3.17
CM 1000 063 V1	63.5	2.50	212	8.35	148.5	5.85			1521	3419	111	6.8	1.55	3.42
CM 1000 080 V1	80	3.15	245	9.65	165	6.50			1545	3473	136	8.3	1.69	3.73
CM 1000 100 V1	100	3.94	295	11.61	195	7.68			1520	3417	175	10.7	1.91	4.21
CM 1000 125 V1	125	4.92	345	13.58	220	8.66			1543	3470	213	13.0	2.12	4.67
CM 1000 160 V1	160	6.30	415	16.34	255	10.04			1566	3520	266	16.2	2.42	5.34
CM 1000 200 V1	200	7.87	495	19.49	295	11.61			1583	3558	326	19.9	2.75	6.06

TECHNICAL DATA

Fluid Smax Vmax	N ₂	Pmin Pmax 20°C / 68°F Tmin Tmax Force variation by temperature	20 bar 160 bar 290 psi 2320 psi 0 °C 80 °C 32 °F 176 °F ±0,3% / °C	Charging Adapter Connection Cartridge Kit	18 CG 1-Q CM-H 1000 XXX V1 2840T420A
	< 90%				
	1,6 m/s				

 s mm  2 mm  L1 mm		 Ø50 L1=138 L1=148 L1=152		 Ø50 L1=138 L1=150 L1=150	 Ø50 L1=170 L1=185 L1=195	 Ø50 L1=195	 Ø50 L1=165 L1=175	 Ø50 L1=220
MODEL		CW 1000 CWC 1000 KZ/KT 1000		CT 1000 CK 1000 FD 750	GN 750 CM 1000 CD 1000	AG 750	CPH 1700 CP 2000	CS 1800

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-050  581 A34-050  582	B21-050  590 B76-050  594	C05-050  596 C20-050  598	D02-050  600 D67-050  602

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper





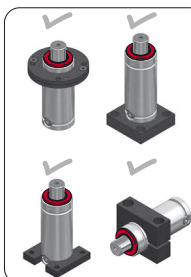
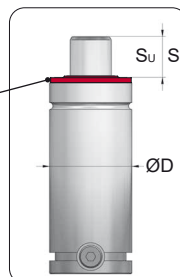

HOW TO ORDER

CM 1000 050 V1 28 50
CM 1000 050 V1 + PW 028 050

PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.

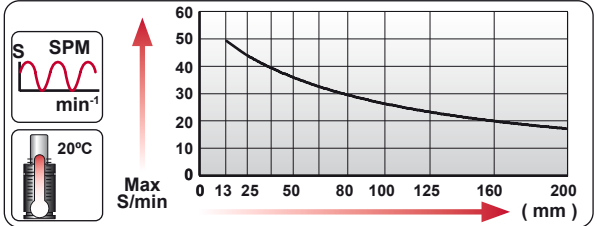
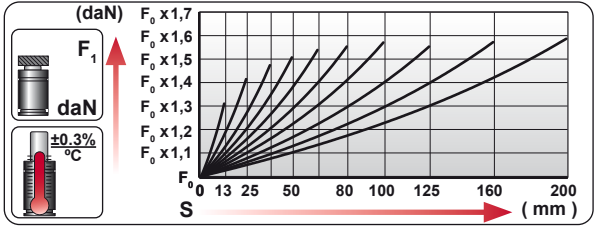
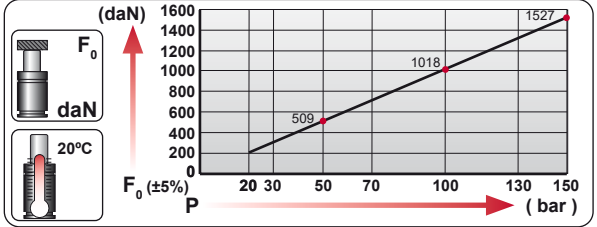
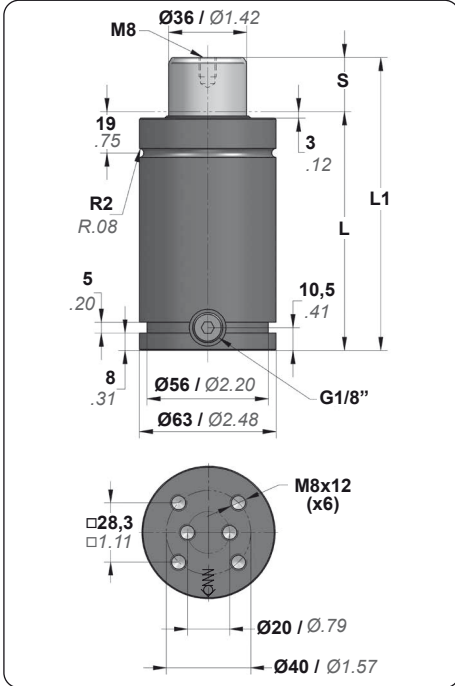


Protective Wiper



CM 1500 V2

Heavy Duty



VDI SAFETY



STANDARDS



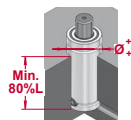
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³	Kg.	lb
CM 1500 013 V2	13	0.51	111	4.37	98	3.86	1530 3440 ±5% 150 bar 2175 psi at 20°C 68°F		2005	4508	56	3.4	1.79	3.95
CM 1500 025 V2	25	0.98	135	5.31	110	4.33			2165	4867	87	5.3	1.95	4.30
CM 1500 038 V2	38	1.50	161	6.34	123	4.84			2256	5071	120	7.3	2.11	4.65
CM 1500 050 V2	50	1.97	185	7.28	135	5.31			2307	5185	151	9.2	2.26	4.98
CM 1500 063 V2	63.5	2.50	212	8.35	148.5	5.85			2345	5272	186	11.3	2.43	5.36
CM 1500 080 V2	80	3.15	245	9.65	165	6.50			2377	5345	228	13.9	2.64	5.82
CM 1500 100 V2	100	3.94	285	11.22	185	7.28			2404	5404	280	17.1	2.89	6.37
CM 1500 125 V2	125	4.92	345	13.58	220	8.66			2377	5345	357	21.8	3.29	7.25
CM 1500 160 V2	160	6.30	415	16.34	255	10.04			2407	5410	447	27.3	3.73	8.22
CM 1500 200 V2	200	7.87	495	19.49	295	11.61			2429	5460	550	33.6	4.24	9.35

TECHNICAL DATA

	Fluid	N ₂		Pmin Pmax 20°C / 68°F	20 bar 290 psi	150 bar 2175 psi		Charging Adapter	18 CG 1-Q
	Smax	< 90%		Tmin Tmax	0 °C 32 °F	80 °C 176 °F		Connection	CM-H 1500 XXX V2
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C			Cardridge Kit	3652L440A

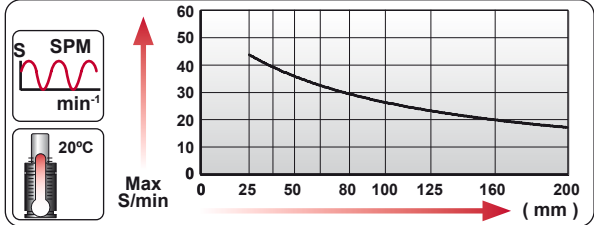
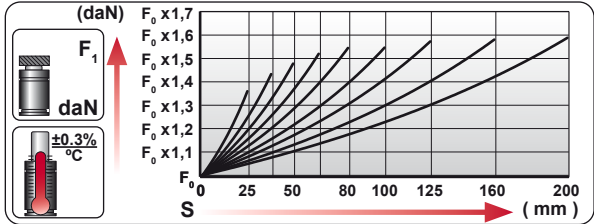
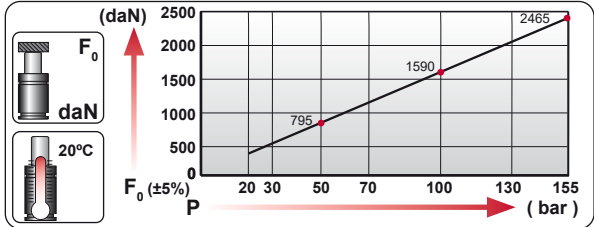
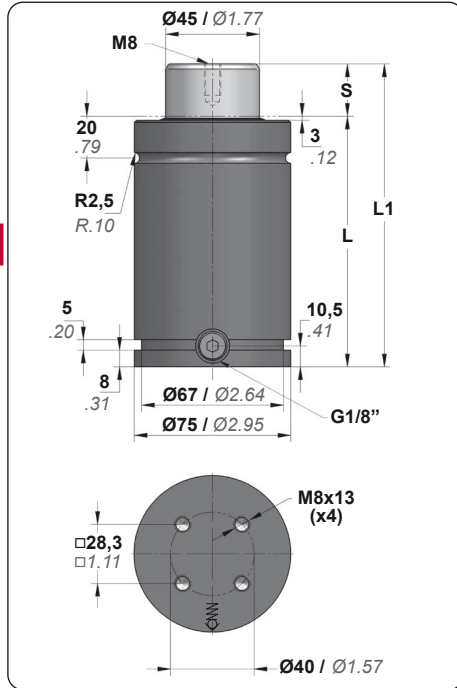
 1/8 mm	 1/2 mm	 1 mm					
			Ø63 L1=144 L1=152 L1=154	Ø63 L1=152 L1=160	Ø63 L1=185 L1=195	Ø63 L1=175 L1=190	Ø63 L1=205
			MODEL CW 1500 KZ/KT 1500 CWC 1500	CT 1500 CK 1500	CM 1500 CD 1500	CPH 2800 CP 3000	CS 3000

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-063  581	B21-075  590	C05-063  596	D02-063  600
		A39-063  583	B76-063  594	C30-063  599	D67-063  602
		A69-063  583	B76-075  594	C35-063  599	

CM 2500 V1

Heavy Duty

**AZOL
GAS****VDI
SAFETY****STANDARS**

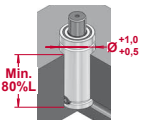
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³	Kg.	lb
CM 2500 025 V1	25	0.98	145	5.71	120	4.72	2465 5542 ±5% 155 bar 2250 psi at 20°C 68°F		3353	7537	150	9.2	2.90	6.39
CM 2500 038 V1	38	1.50	171	6.73	133	5.24			3533	7943	200	12.2	3.13	6.90
CM 2500 050 V1	50	1.97	195	7.68	145	5.71			3644	8192	246	15.0	3.33	7.34
CM 2500 063 V1	63.5	2.50	222	8.74	158.5	6.24			3732	8391	297	18.1	3.56	7.85
CM 2500 080 V1	80	3.15	255	10.04	175	6.89			3810	8564	360	22.0	3.85	8.49
CM 2500 100 V1	100	3.94	300	11.81	200	7.87			3818	8583	449	27.4	4.24	9.35
CM 2500 125 V1	125	4.92	350	13.78	225	8.86			3883	8729	544	33.2	4.67	10.30
CM 2500 160 V1	160	6.30	425	16.73	265	10.43			3905	8778	690	42.1	5.32	11.73
CM 2500 200 V1	200	7.87	510	20.08	310	12.20			3925	8824	855	52.2	6.06	13.36

TECHNICAL DATA

Fluid Smax Vmax	N ₂	Pmin Pmax 20°C / 68°F Tmin Tmax Force variation by temperature	20 bar 160 bar 290 psi 2320 psi 0 °C 80 °C 32 °F 176 °F ±0,3% / °C	Charging Adapter Connection Cardridge Kit	18 CG 1-Q CM-H 2500 XXX V1 4563R470A

  								
	MODEL	CW 2400 CWC 2400 KZ/KT 2400		CT 3000 CK 2500 FD 1500	GN 1500 CM 2500 CD 2400	AG 1500	CPH 4300 CP 5000	CS 4700

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-075  581 A34-075  582	B21-075  590 B76-075  594	C05-075  596 C20-075  598	D02-075  601 D67-075  602

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper





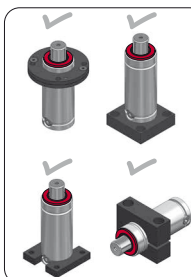
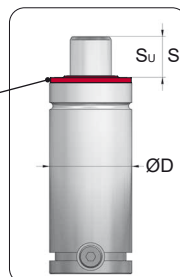

HOW TO ORDER

CM 2500 050 V1 45 75
CM 2500 050 V1 + PW 045 075

PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.

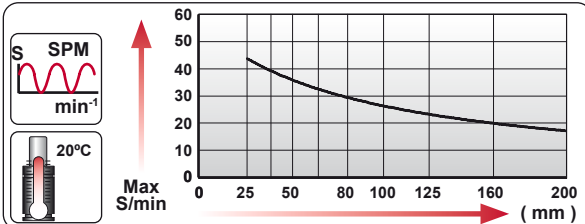
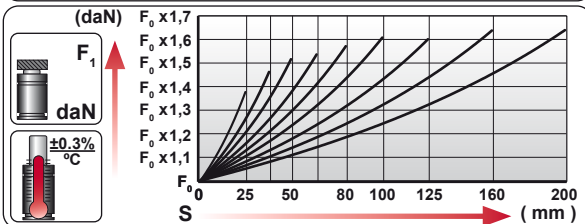
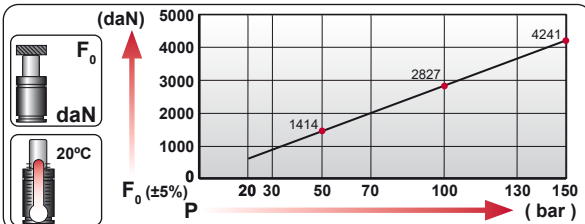
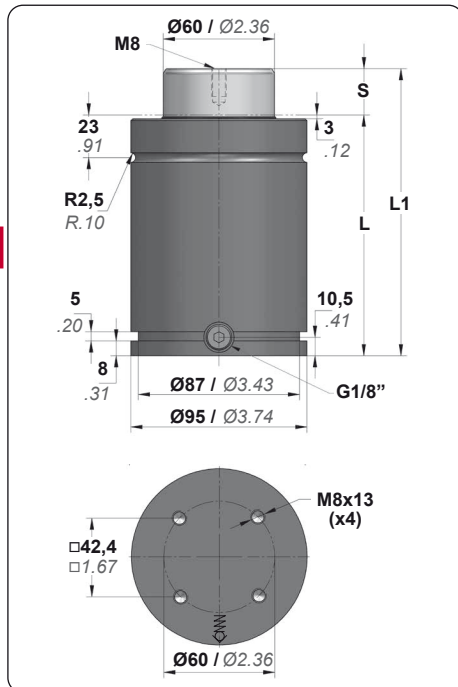


Protective Wiper



CM 4000 V1

Heavy Duty

**AZOL
GAS****VDI
SAFETY****STANDARS**

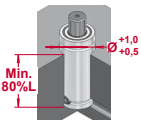
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³	Kg.	lb
CM 4000 025 V1	25	0.98	155	6.10	130	5.12	3960 ±5% 140 bar 2030 psi at 20°C 68°F	8902	5453	12259	258	15.8	5.22	11.51
CM 4000 038 V1	38	1.50	181	7.13	143	5.63			5791	13018	340	20.7	5.59	12.32
CM 4000 050 V1	50	1.97	205	8.07	155	6.10			6004	13497	415	25.3	5.94	13.10
CM 4000 063 V1	63.5	2.50	237	9.33	173.5	6.83			6059	13621	518	31.6	6.40	14.11
CM 4000 080 V1	80	3.15	270	10.63	190	7.48			6224	13991	622	38.0	6.87	15.15
CM 4000 100 V1	100	3.94	310	12.20	210	8.27			6369	14317	748	45.6	7.44	16.40
CM 4000 125 V1	125	4.92	370	14.57	245	9.65			6342	14257	941	57.4	8.32	18.34
CM 4000 160 V1	160	6.30	440	17.32	280	11.02			6489	14587	1161	70.8	9.32	20.55
CM 4000 200 V1	200	7.87	530	20.87	330	12.99			6496	14603	1449	88.4	10.62	23.41

TECHNICAL DATA

	Fluid	N ₂		Pmin Pmax 20°C / 68°F	20 bar 290 psi	150 bar 2175 psi		Charging Adapter	18 CG 1-Q
	Smax	< 90%		Tmin Tmax	0 °C 32 °F	80 °C 176 °F		Connection	CM-H 4000 XXX V1
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C			Cardridge Kit	6080U440A

								
								
								
MODEL		CW 4200 KZ 4200 KT 4200		CK 4000 FD 3000	GN 3000 CM 4000 CD 4200	AG 3000	CP 8000	CS 7500

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-095  A34-095 	B21-095  B76-095 	C05-095  C20-095 	D02-095  D67-095 

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper



HOW TO ORDER

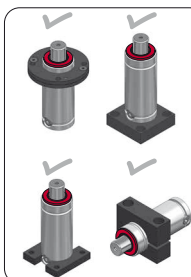
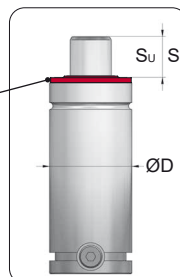
CM 4000 050 V1 **60** **95**

CM 4000 050 V1 + PW 060 095

PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.

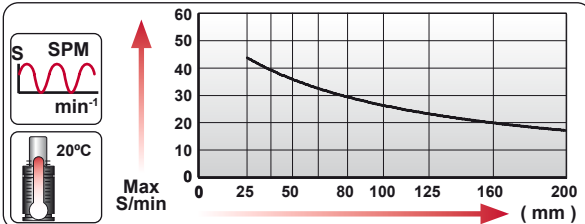
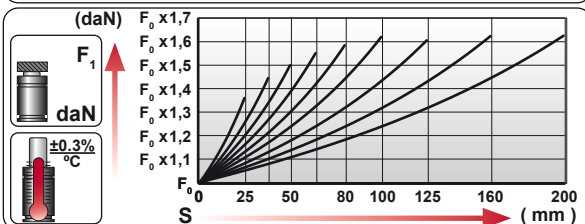
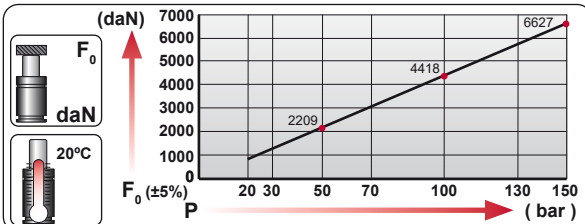
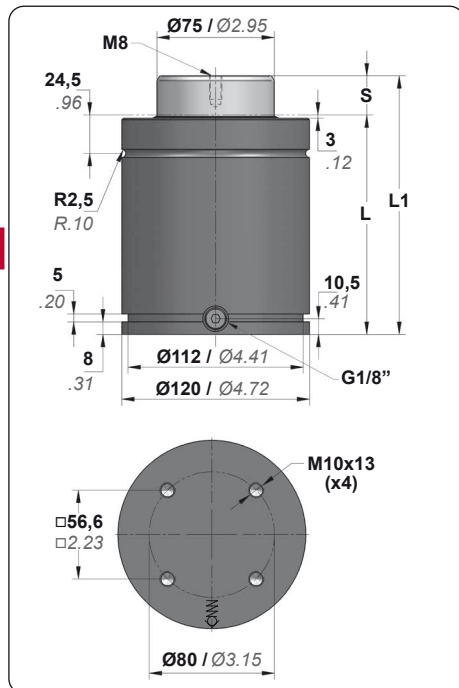


Protective Wiper



CM 6500 V1

Heavy Duty

**AZOL
GAS****VDI
SAFETY****STANDARS**

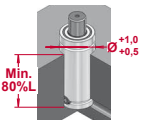
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³	Kg.	lb
CM 6500 025 V1	25	0.98	165	6.50	140	5.51	6405 ±5% 14399 145 bar 2105 psi at 20°C 68°F		8717	19597	416	25.4	9.22	20.33
CM 6500 038 V1	38	1.50	191	7.52	153	6.02			9264	20825	544	33.2	9.82	21.65
CM 6500 050 V1	50	1.97	215	8.46	165	6.50			9614	21612	662	40.4	10.37	22.86
CM 6500 063 V1	63.5	2.50	242	9.53	178.5	7.03			9902	22260	794	48.5	11.00	24.25
CM 6500 080 V1	80	3.15	275	10.83	195	7.68			10159	22839	956	58.4	11.77	25.95
CM 6500 100 V1	100	3.94	315	12.40	215	8.46			10385	23347	1153	70.3	12.69	27.98
CM 6500 125 V1	125	4.92	375	14.76	250	9.84			10294	23141	1462	89.2	14.13	31.15
CM 6500 160 V1	160	6.30	450	17.72	290	11.42			10410	23403	1837	112.1	15.89	35.03
CM 6500 200 V1	200	7.87	540	21.26	340	13.39			10419	23423	2294	140.0	18.01	39.70

TECHNICAL DATA

Fluid Smax Vmax	N ₂	Pmin Pmax 20°C / 68°F Tmin Tmax Force variation by temperature	20 bar 150 bar 290 psi 2175 psi 0 °C 80 °C 32 °F 176 °F ±0,3% / °C	Charging Adapter Connection Cardridge Kit	18 CG 1-Q CM-H 6500 XXX V1 75A0W540A
	Smax				
	Vmax	1,6 m/s			

							
MODEL			CW 6600 KZ 6600 KT 6600	FD 5000	GN 5000 CM 6500 CD 6600	AG 5000	CS 11800

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-120  A34-120 	B21-120  B76-120 	C05-120  C20-120 	D02-120  D67-120 

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper



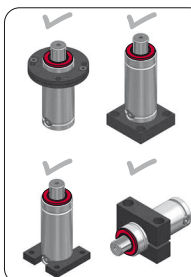
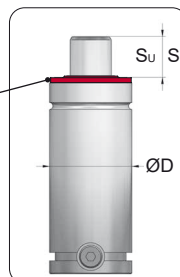
HOW TO ORDER

CM 6500 050 V1 75 120

CM 6500 050 V1 + PW 075 120



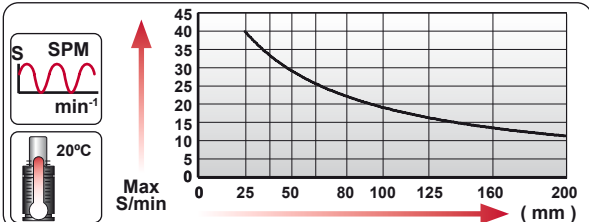
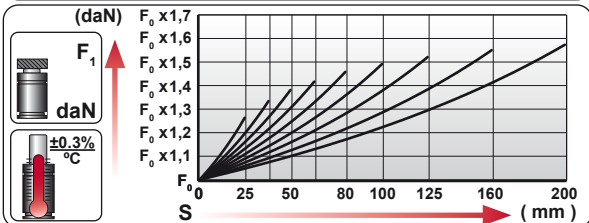
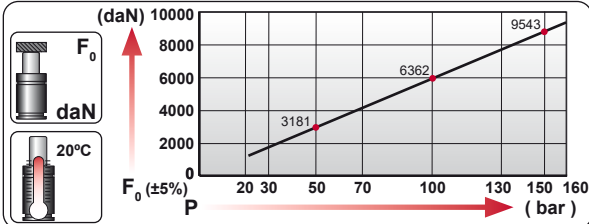
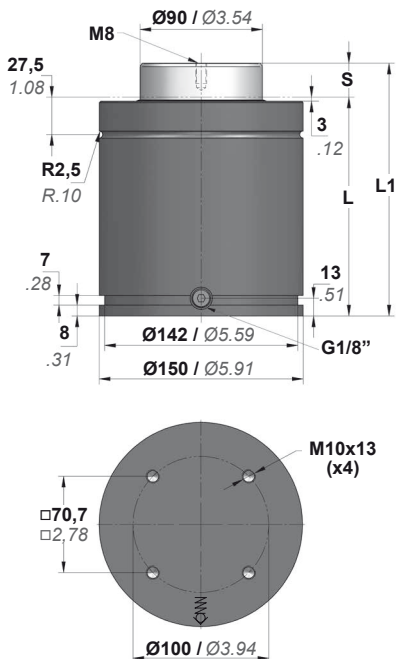
Protective Wiper



PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.

CM 10000

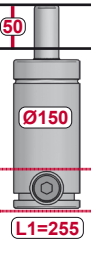
Heavy Duty

**AZOL
GAS****VDI
SAFETY****STANDARS**

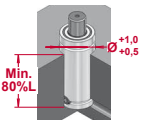
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm³	in³	Kg.	lb
CM 10000 025	25	0.98	186	7.32	161	6.34	9540 ±5% 150 bar 2175 psi at 20°C 68°F	21447	12063	27119	76	4.6	16.35	36.05
CM 10000 038	38	1.50	212	8.35	174	6.85			12737	28634	96	5.9	17.22	37.96
CM 10000 050	50	1.97	236	9.29	186	7.32			13187	29646	115	7.0	18.01	39.70
CM 10000 063	63.5	2.50	263	10.35	199.5	7.85			13568	30503	136	8.3	18.91	41.69
CM 10000 080	80	3.15	296	11.65	216	8.50			13918	31290	162	9.9	20.00	44.09
CM 10000 100	100	3.94	336	13.23	236	9.29			14232	31995	193	11.8	21.32	47.00
CM 10000 125	125	4.92	386	15.20	261	10.28			14517	32636	232	14.2	22.98	50.66
CM 10000 160	160	6.30	456	17.95	296	11.65			14797	33265	287	17.5	25.30	55.78
CM 10000 200	200	7.87	536	21.10	336	13.23			15017	33759	349	21.3	27.95	61.62

TECHNICAL DATA

 Fluid Smax Vmax	N_2	 Pmin Pmax 20°C / 68°F Tmin Tmax	20 bar 160 bar 290 psi 2320 psi 0 °C 80 °C 32 °F 176 °F	 Charging Adapter Connection Cardridge Kit	18 CG 1-Q CM-H 10000 XXX 90C5X690A
	< 90%		$\pm 0,3\% / ^\circ\text{C}$		
	1,6 m/s				

						
MODEL			CW 9500 CW 11800 KT 9500	GN 7500 CM 10000 CD 9600	AG 7500	CS 18300

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-150  A34-150 	B21-150  B76-150 	C05-150  C20-150 	D02-150  D67-150 

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper



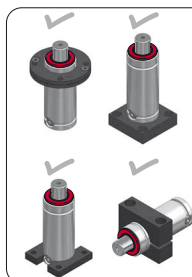
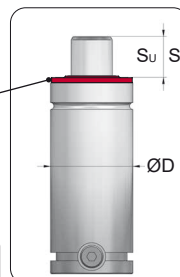
HOW TO ORDER

CM 10000 050 90 150

CM 10000 050 + PW 090 150



Protective Wiper



PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.



GAS SPRINGS

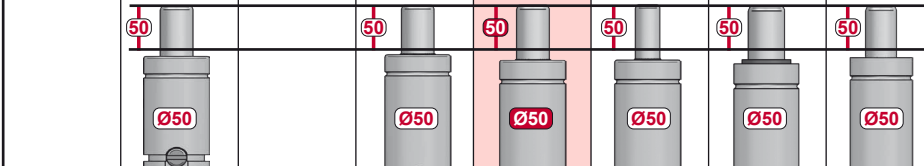


AZOL 
GAS



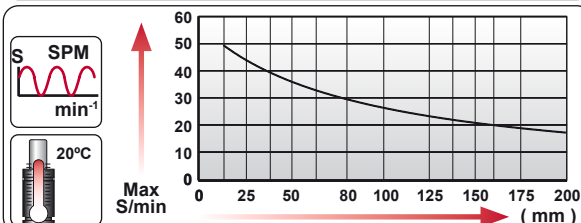
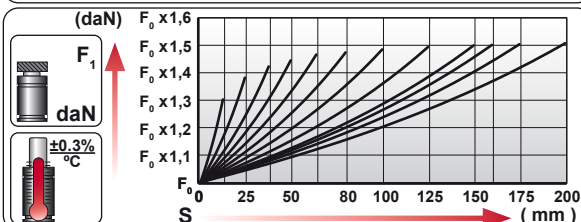
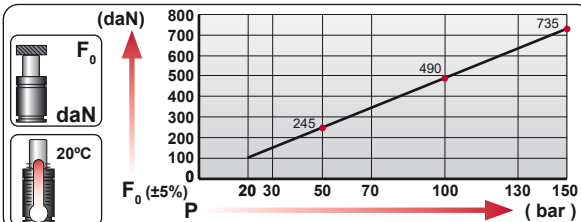
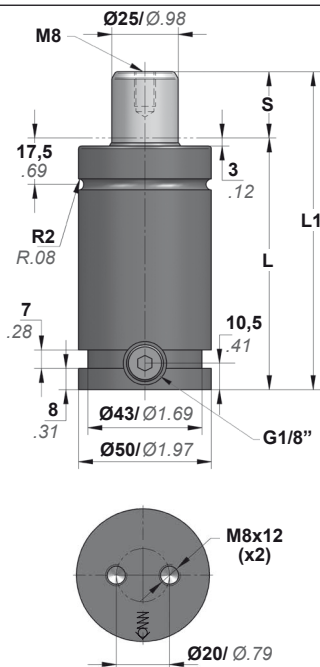
HEAVY DUTY GN

- Smaller size than ISO gas springs
- Same force as ISO standard
- Contact force (750-7500 daN)
- Used for heavy duty work

 Ls mm	 Ø mm	 L1 mm							
			50		50	50	50	50	50
			Ø50		Ø50	Ø50	Ø50	Ø50	Ø50
			L1=138 L1=148 L1=152		L1=138 L1=150 L1=150	L1=170 L1=185 L1=195	L1=195	L1=165 L1=175	L1=220
MODEL	X	CW 1000 CWC 1000 KZ/KT 1000	X	CT 1000 CK 1000 FD 750	GN 750 CM 1000 CP 1000	AG 750	CPH 1700 CP 2000	CS 1800	
SERIES	MINI	COMPACT HEIGHT	THREADED	LOW PROFILE	HEAVY DUTY	ISO	HEAVY LOAD	POWER SHORT STROKE	
									

GN 750

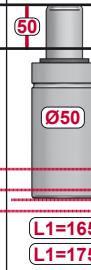
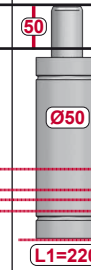
Heavy Duty

**AZOL
GAS****VDI
SAFETY****STANDARS**

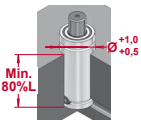
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³	Kg.	lb
GN 750 013	13	0.51	96	3.78	83	3.27	740 1664 ±5% 150 bar 2175 psi at 20°C 68°F		965	2170	27	1.7	0.94	2.07
GN 750 025	25	0.98	120	4.72	95	3.74			1024	2302	44	2.7	1.04	2.29
GN 750 038	38	1.50	146	5.75	108	4.25			1054	2370	63	3.8	1.15	2.54
GN 750 050	50	1.97	170	6.69	120	4.72			1070	2406	80	4.9	1.24	2.73
GN 750 063	63.5	2.50	197	7.76	133.5	5.26			1082	2433	99	6.0	1.35	2.98
GN 750 080	80	3.15	230	9.06	150	5.91			1092	2455	122	7.4	1.49	3.28
GN 750 100	100	3.94	270	10.63	170	6.69			1100	2472	150	9.2	1.65	3.64
GN 750 125	125	4.92	320	12.60	195	7.68			1106	2487	185	11.3	1.86	4.10
GN 750 137	137.5	5.41	345	13.58	207.5	8.17			1109	2493	203	12.4	1.96	4.32
GN 750 150	150	5.91	370	14.57	220	8.66			1111	2497	221	13.5	2.06	4.54
GN 750 160	160	6.30	390	15.35	230	9.06			1112	2500	235	14.3	2.15	4.74
GN 750 175	175	6.89	420	16.54	245	9.65			1114	2505	256	15.6	2.27	5.00
GN 750 200	200	7.87	470	18.50	270	10.63			1117	2510	291	17.8	2.47	5.45

TECHNICAL DATA

	Fluid	N ₂		Pmin Pmax 20°C / 68°F	20 bar 290 psi	150 bar 2175 psi		Charging Adapter	18 CG 1-Q
	Smax	< 90%		Tmin Tmax	0 °C 32 °F	80 °C 176 °F		Connection	GN-H 750 XXX
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C			Cardtridge Kit	2540T340B

 Ls mm	 2 mm	 L1 mm						
MODEL			CW 1000 CWC 1000 KZ/KT 1000	CT 1000 CK 1000 FD 750	GN 750 CM 1000 CD 1000	AG 750	CPH 1700 CP 2000	CS 1800

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-050  581 A34-050  582	B21-050  590 B76-050  594	C05-050  596 C20-050  598	D02-050  600 D67-050  602

PROTECTION OPTIONS

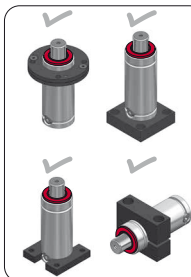
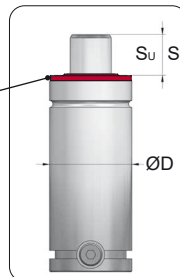
Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper

			
HOW TO ORDER	GN 750 050	25	50
	GN 750 050 + PW 025 050		



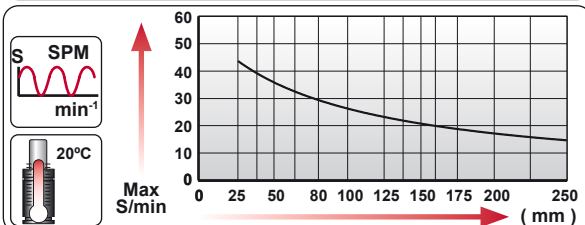
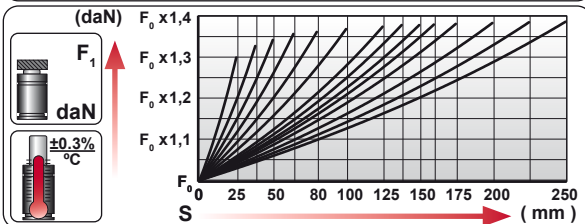
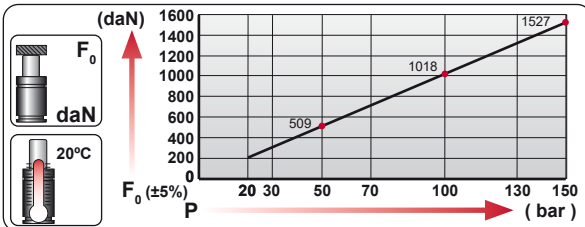
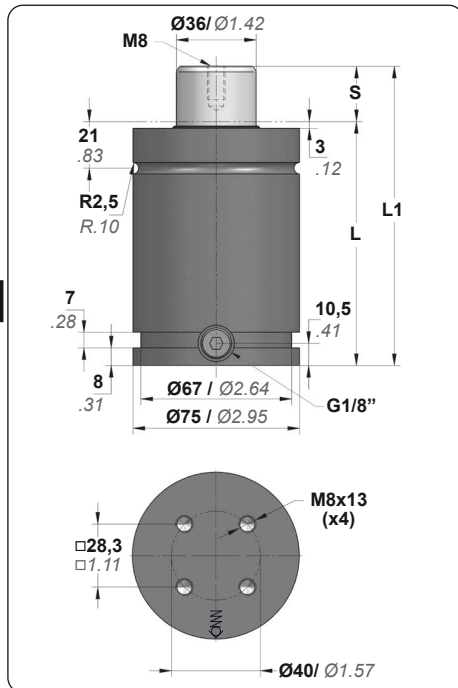
Protective Wiper



PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.

GN 1500

Heavy Duty

**AZOL
GAS****VDI
SAFETY****STANDARDS**

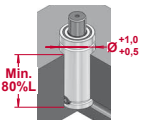
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³	Kg.	lb
GN 1500 025	25	0.98	135	5.31	110	4.33	1530 3440 ±5% 150 bar 2175 psi at 20°C 68°F		1986	4465	111	6.8	2.69	5.93
GN 1500 038	38	1.50	161	6.34	123	4.84			2029	4562	157	9.6	2.88	6.35
GN 1500 050	50	1.97	185	7.28	135	5.31			2052	4613	200	12.2	3.05	6.72
GN 1500 063	63.5	2.50	212	8.35	148.5	5.85			2069	4650	248	15.1	3.25	7.16
GN 1500 080	80	3.15	245	9.65	165	6.50			2082	4681	307	18.7	3.49	7.69
GN 1500 100	100	3.94	285	11.22	185	7.28			2093	4705	379	23.1	3.79	8.36
GN 1500 125	125	4.92	335	13.19	210	8.27			2102	4725	468	28.5	4.15	9.15
GN 1500 137	137.5	5.41	360	14.17	222.5	8.76			2105	4732	512	31.3	4.34	9.57
GN 1500 150	150	5.91	385	15.16	235	9.25			2108	4738	557	34.0	4.52	9.96
GN 1500 160	160	6.30	405	15.94	245	9.65			2110	4743	593	36.2	4.66	10.27
GN 1500 175	175	6.89	435	17.13	260	10.24			2112	4748	646	39.4	4.88	10.76
GN 1500 200	200	7.87	485	19.09	285	11.22			2116	4756	735	44.9	5.25	11.57
GN 1500 225	225	8.86	535	21.06	310	12.20			2118	4762	825	50.3	5.62	12.39
GN 1500 250	250	9.84	585	23.03	335	13.19			2120	4767	914	55.8	5.98	13.18

TECHNICAL DATA

Fluid		N ₂		Pmin Pmax 20°C / 68°F		20 bar 150 bar 290 psi 2175 psi		Charging Adapter		18 CG 1-Q	
Smax		< 90%		Tmin Tmax		0 °C 80 °C 32 °F 176 °F		Connection		GN-H 1500 XXX	
Vmax		1,6 m/s		Force variation by temperature		±0,3% / °C		Cardridge Kit		3663R440A	

								
								
			L1=145 L1=155 L1=159	L1=154 L1=160 L1=160	L1=185 L1=195 L1=210	L1=210	L1=175 L1=200	L1=240
MODEL			CW 2400 CWC 2400 KZ/KT 2400	CT 3000 CK 2500 FD 1500	GN 1500 CM 2500 CD 2400	AG 1500	CPH 4300 CP 5000	CS 4700

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-075  A34-075 	B21-075  B76-075 	C05-075  C20-075 	D02-075  D67-075 

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper



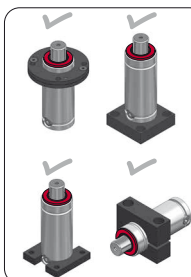
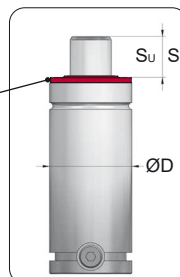
HOW TO ORDER

GN 1500 050 36 75

GN 1500 050 + PW 036 075



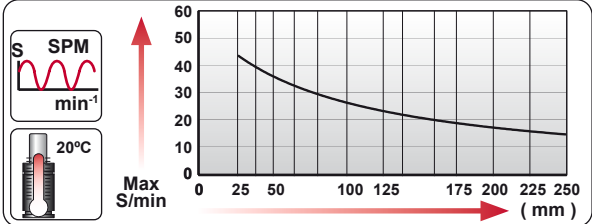
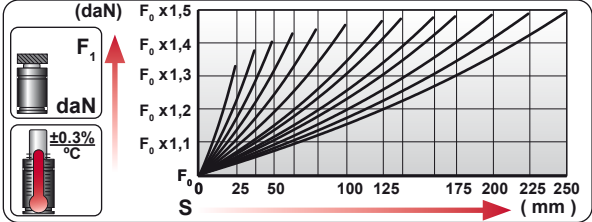
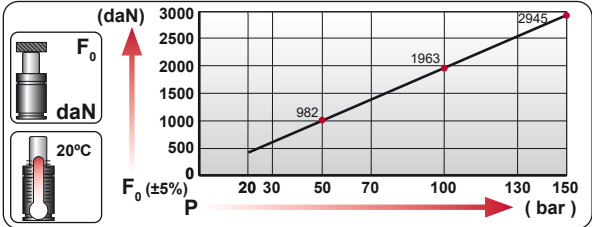
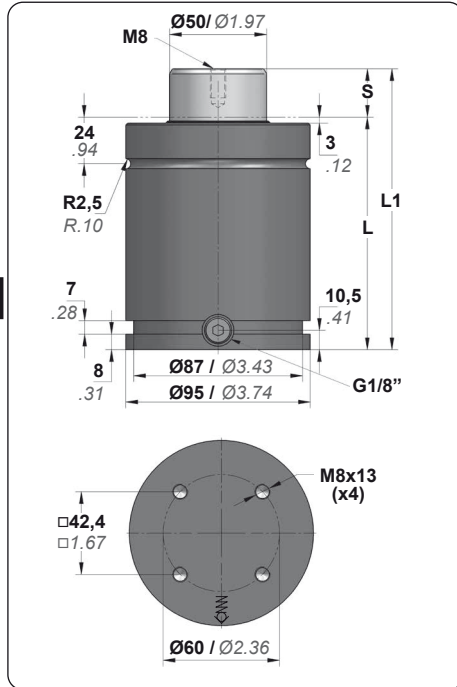
Protective Wiper



PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.

GN 3000

Heavy Duty

**AZOL
GAS****VDI
SAFETY****STANDARS**

ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³	Kg.	lb
GN 3000 025	25	0.98	145	5.71	120	4.72	2945	6621	3916	8804	198	12.1	4.85	10.69
GN 3000 038	38	1.50	171	6.73	133	5.24			4056	9117	272	16.6	5.19	11.44
GN 3000 050	50	1.97	195	7.68	145	5.71			4134	9295	341	20.8	5.50	12.13
GN 3000 063	63.5	2.50	222	8.74	158.5	6.24			4194	9429	419	25.5	5.85	12.90
GN 3000 080	80	3.15	255	10.04	175	6.89	±5%	150 bar 2175 psi at 20°C 68°F	4244	9540	513	31.3	6.28	13.84
GN 3000 100	100	3.94	295	11.61	195	7.68			4285	9633	628	38.3	6.80	14.99
GN 3000 125	125	4.92	345	13.58	220	8.66			4320	9711	771	47.1	7.45	16.42
GN 3000 137	137.5	5.41	370	14.57	232.5	9.15			4333	9740	843	51.4	7.78	17.15
GN 3000 160	160	6.30	415	16.34	255	10.04	±5%	150 bar 2175 psi at 20°C 68°F	4352	9783	972	59.3	8.37	18.45
GN 3000 175	175	6.89	445	17.52	270	10.63			4362	9805	1058	64.6	8.76	19.31
GN 3000 200	200	7.87	495	19.49	295	11.61			4375	9836	1201	73.3	9.41	20.75
GN 3000 225	225	8.86	545	21.46	320	12.60			4386	9860	1345	82.1	10.06	22.18
GN 3000 250	250	9.84	595	23.43	345	13.58			4395	9880	1488	90.8	10.71	23.61

TECHNICAL DATA

	Fluid	N ₂		Pmin Pmax 20°C / 68°F	20 bar 290 psi	150 bar 2175 psi		Charging Adapter	18 CG 1-Q
	Smax	< 90%		Tmin Tmax	0 °C 32 °F	80 °C 176 °F		Connection	GN-H 3000 XXX
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C			Cardtridge Kit	5080U460A

MODEL	CW 4200 KZ 4200 KT 4200	CK 4000 FD 3000	GN 3000 CM 4000 CD 4200	AG 3000	CP 8000	CS 7500

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
HOW TO ORDER		A14-095 581 A34-095 582	B21-095 590 B76-095 594	C05-095 597 C20-095 598	D02-095 601 D67-095 603

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper

HOW TO ORDER

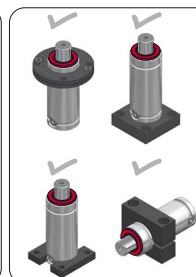
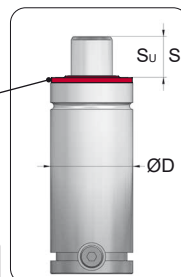
GN 3000 050 50 95

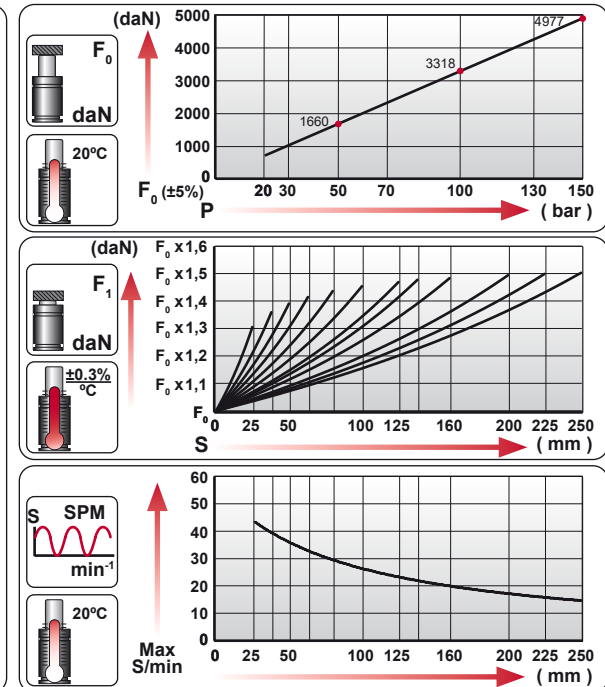
GN 3000 050 + PW 050 095

PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.



Protective Wiper



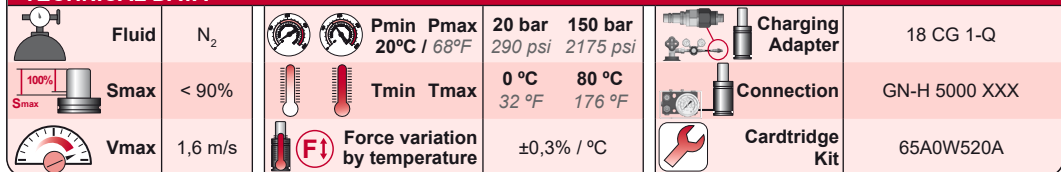


STANDARDS



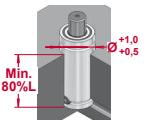
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm³	in³	Kg.	lb
GN 5000 025	25	0.98	152.5	6.00	127.5	5.02	4980	11195	6495	14601	356	21.7	8.35	18.41
GN 5000 038	38	1.50	178.5	7.03	140.5	5.53			6762	15202	478	29.2	8.88	19.58
GN 5000 050	50	1.97	202.5	7.97	152.5	6.00	±5% 150 bar 2175 psi at 20°C 68°F	6920	15557	592	36.1	9.36	20.64	
GN 5000 063	63	2.48	228.5	9.00	165.5	6.52		7040	15826	715	43.6	9.89	21.80	
GN 5000 080	80	3.15	262.5	10.33	182.5	7.19		7149	16071	875	53.4	10.59	23.35	
GN 5000 100	100	3.94	302.5	11.91	202.5	7.97		7237	16270	1064	64.9	11.40	25.13	
GN 5000 125	125	4.92	352.5	13.88	227.5	8.96		7313	16441	1300	79.3	12.42	27.38	
GN 5000 137	137.5	5.41	377.5	14.86	240	9.45		7342	16506	1418	86.5	12.92	28.48	
GN 5000 160	160	6.30	422.5	16.63	262.5	10.33		7384	16600	1631	99.5	13.84	30.51	
GN 5000 200	200	7.87	502.5	19.78	302.5	11.91		7438	16721	2008	122.6	15.47	34.11	
GN 5000 225	225	8.86	552.5	21.75	327.5	12.89	7462	16776	2245	137.0	16.49	36.35		
GN 5000 250	250	9.84	602.5	23.72	352.5	13.88	7482	16821	2481	151.4	17.50	38.55		

TECHNICAL DATA



							
MODEL			CW 6600 KZ 6600 KT 6600	FD 5000	GN 5000 CM 6500 CD 6600	AG 5000	CS 11800

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-120  A34-120 	B21-120  B76-120 	C05-120  C20-120 	D02-120  D67-120 

PROTECTION OPTIONS

Longer life to your gas springs by using protective solutions from harsh working environment (i.e. hot stamping), specially designed to minimize the impact of solid or liquid contaminants and extending the useful life of gas springs.

PW Protective Wiper



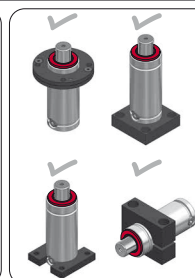
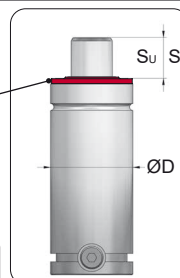
HOW TO ORDER

GN 5000 050 65 120

GN 5000 050 + PW 065 120



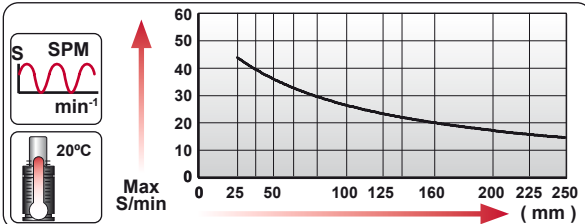
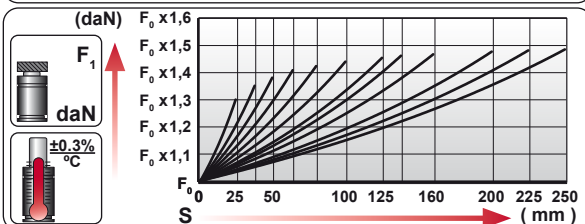
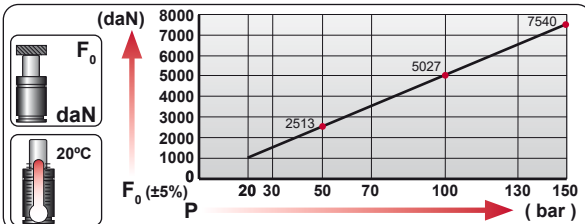
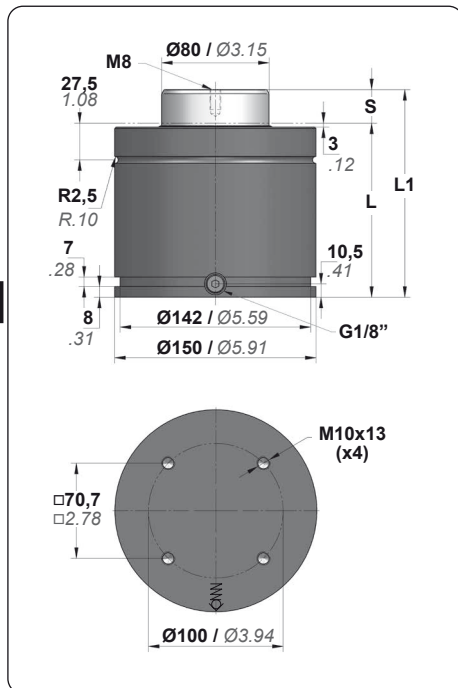
Protective Wiper



PW does not involve any variation of the dimensions of the gas spring. The useful stroke keeps the same as nominal stroke.

GN 7500

Heavy Duty

**AZOL
GAS****VDI
SAFETY****STANDARS**

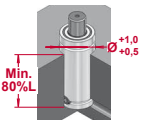
ORDER	S		L1 ±0.25		L		F ₀ Initial Force		F ₁ (ISOTHERMAL) End Force		Vol.			
	mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³	Kg.	lb
GN 7500 025	25	0.98	155	6.10	130	5.12	7540 16951 ±5% 150 bar 2175 psi at 20°C 68°F		9821	22077	541	33.0	13.27	29.26
GN 7500 038	38	1.50	181	7.13	143	5.63			10204	22940	732	44.6	14.09	31.06
GN 7500 050	50	1.97	205	8.07	155	6.10			10429	23445	907	55.4	14.84	32.72
GN 7500 063	63.5	2.50	232	9.13	168.5	6.63			10602	23835	1105	67.4	15.70	34.61
GN 7500 080	80	3.15	265	10.43	185	7.28			10750	24166	1347	82.2	16.74	36.91
GN 7500 100	100	3.94	305	12.01	205	8.07			10873	24444	1640	100.1	18.00	39.68
GN 7500 125	125	4.92	355	13.98	230	9.06			10979	24682	2006	122.4	19.58	43.17
GN 7500 137	137.5	5.41	380	14.96	242.5	9.55			11019	24772	2189	133.6	20.37	44.91
GN 7500 160	160	6.30	425	16.73	265	10.43			11077	24903	2519	153.7	21.80	48.06
GN 7500 200	200	7.87	505	19.88	305	12.01			11151	25068	3104	189.4	24.32	53.62
GN 7500 225	225	8.86	555	21.85	330	12.99			11185	25144	3471	211.8	25.90	57.10
GN 7500 250	250	9.84	605	23.82	355	13.98			11212	25206	3837	234.1	27.48	60.58

TECHNICAL DATA

	Fluid	N ₂		Pmin Pmax 20°C / 68°F	20 bar 290 psi	150 bar 2175 psi		Charging Adapter	18 CG 1-Q
	Smax	< 90%		Tmin Tmax	0 °C 32 °F	80 °C 176 °F		Connection	GN-H 7500 XXX
	Vmax	1,6 m/s		Force variation by temperature	±0,3% / °C			Cardridge Kit	80C5X480A

 1/8 mm	 1/2 mm	 1 mm	 Ø150 L1=178 L1=178 L1=178			 Ø150 L1=205 L1=236 L1=255	 Ø150 L1=255		 Ø150 L1=270
			MODEL CW 9500 CW 11800 KT 9500			GN 7500 CM 10000 CD 9600	AG 7500		CS 18300

MOUNTING OPTIONS

	Drop-in	Top Mount	Base Mount	Foot Mount	Support Mount
					
HOW TO ORDER		A14-150  581 A34-150  583	B21-150  591 B76-150  595	C05-150  597 C20-150  599	D02-150  601 D67-150  603