

# CALIBRATION GAS

2021



# ► Calibration gas cylinders

Calibration gas cylinders for bump tests, calibration and periodical checkings of gas detectors



## Product description

**GazDetect** supplies standard and custom gas mixtures as well as pure gases in a range of lightweight, single-use, aluminum cylinders that are ideal for applications where portability is essential. Gaseous mixtures are mixed gravimetrically by generally applying the ISO6142 standard. Guarantying precision, optimum stability and maximum shelf life.

These gaseous mixtures are mainly used for checkings and calibrations of gas detectors (fixed or portable) and other instruments :

- Combustible gas detection
- Toxic gas detection
- Refrigerant gas detection
- Breathalyzers and Ethanol
- Gas chromatography
- Analysis of agro-food atmospheres
- Medical gas analysis
- Environmental monitoring




The available offer covers a complete range from simple LEL binary blends to complex and multiple lab mixtures with very low ppm levels..

We have a large stock of the most common mixtures (especially those associated with gas detection applications) but can also provide on-demand component mixtures to provide a single product, tailored to your specifications.

## Technical specifications

- Wide range of standard or custom mixtures
- Gravimetric mixing for maximum accuracy
- Standards (ISO 6142) and European legislation compliant cylinders.
- From 6 to 60 months mixture stability (depending on gases)
- Analysis certificated automatically provided
- Portable, convenient and easy to use
- Over 500 references available in stock
- Complete range of accessories
- No rental fees

## Cylinders specifications

Cylinder capacity	34 liters 	58 liters 	110 liters 
Water capacity (litres)	0.9	0.85	1.6
Pressure in bar (PSIG)	34 (500)	69 (1000)	69 (1000)
Size in mm (H x Ø)	283 x 74	278 x 75	358 x 90
Weight empty (kg)	0.474	0.620	1.160
Outlet valve	5/8" - 18 UNF - C10		
Regulatory conformity	EN12205*		

\* EN12205 requires single-use cylinders to have a special valve in compliance with EN13340

Gas mixture	34 liters	58 liters	110 liters	Tolerance	Validity* (in months)
Acetone (C <sub>3</sub> H <sub>6</sub> O) → All concentrations between 0.1 % // N <sub>2</sub>	-	-	-	±2%	60
Acetylene (C <sub>2</sub> H <sub>2</sub> ) 0.5 % Acetylene // Air → All concentrations between 0.1 % - 0.91 % // Air	314468 -	319359 -	313131 -	±2% ±2%	60 60
Ammonia (NH <sub>3</sub> ) 25 ppm Ammonia // Nitrogen 50 ppm Ammonia // Nitrogen 100 ppm Ammonia // Nitrogen 300 ppm Ammonia // Nitrogen 500 ppm Ammonia // Nitrogen 1000 ppm Ammonia // Nitrogen 0.5 % ppm Ammonia // Nitrogen 1 % ppm Ammonia // Nitrogen → All concentrations between 5 ppm - 1000 ppm // Nitrogen	3123666 312212 319222 - 333317 319139 333380 333528 -	313646 <b>312647</b> 314284 <b>322715</b> 318922 314328 <b>333461</b> 333527 -	314456 312192 317208 - 313509 318350 313999 333330 -	±5% ±5% ±2% ±2% ±2% ±2% ±2% ±2% ±2%	12 12 12 12 12 12 12 12 12
Argon (Ar) 100 % Nitrogen "First" (5.0)	424418	446579	410533	N/A	60
Benzene (C <sub>6</sub> H <sub>6</sub> ) 5 ppm Benzene // Air	312079	326596	<b>314241</b>	±10%	60
Butane (C <sub>4</sub> H <sub>10</sub> ) 0.4 % Butane // Air 0.6 % Butane // Air 0.7 % Butane // Air 0.75 % Butane // Air 0.9 % Butane // Air → All concentrations between 0.1 % - 0.91 % // Air	323518 323519 313695 312136 312907 -	333531 314056 321223 313423 325619 -	333321 315134 312708 312135 <b>312142</b> -	±2% ±2% ±2% ±2% ±2% ±2%	60 60 60 60 60 60
Carbon dioxide (CO <sub>2</sub> ) 500 ppm Carbon dioxide // N <sub>2</sub> 1000 ppm Carbon dioxide // Air 1700 ppm Carbon dioxide // N <sub>2</sub> 3000 ppm Carbon dioxide // Air 5000 ppm Carbon dioxide // Air 1 % Carbon dioxide // Air 1.5 % Carbon dioxide // Air 2 % Carbon dioxide // Air 2.5 % Carbon dioxide // Air 3 % Carbon dioxide // Air 5 % Carbon dioxide // Air 10 % Carbon dioxide // Air 20 % Carbon dioxide // Air 100 % Carbon dioxide (3.0) → Between 0.1% - 40% // Air% et 40%	324680 313102 - - 317406 313775 332698 312718 - 314453 312661 314888 318405 403194 -	333944 315977 - 315543 315339 316932 322166 320575 - 314400 314680 313154 326445 434355 -	316934 319155 332904 313891 312953 <b>312696</b> 313535 312036 <b>315282</b> 312035 <b>312017</b> 312699 316926 197136 -	±2% ±2% ±2% ±2% ±2% ±2% ±2% ±2% ±2% ±2% ±2% ±2% ±2% N/A ±2%	60 60 60 60 60 60 60 60 60 60 60 60 60 60 60
Carbon monoxide (CO) 20 ppm Carbon monoxide // Air 50 ppm Carbon monoxide // Air 100 ppm Carbon monoxide // Air 150 ppm Carbon monoxide // Air 200 ppm Carbon monoxide // Air 250 ppm Carbon monoxide // Air 300 ppm Carbon monoxide // Air 500 ppm Carbon monoxide // Air 1000 ppm Carbon monoxide // Air	313106 312896 312061 315980 312067 313669 312076 313670 313953	312723 313459 312724 332331 320709 321378 312057 314383 314385	312027 312039 312024 312040 312033 312041 312023 317671 312128	±5% ±5% ±2% ±2% ±2% ±2% ±2% ±2% ±2%	60 60 60 60 60 60 60 60 60



Gas mixture	34 liters	58 liters	110 liters	Tolerance	Validity* (in months)
1 % Carbon monoxide // Air	316687	333945	314402	±2%	60
5 % Carbon monoxide // Air	333972	333973	316785	±2%	60
→ Between 5 ppm et 3% // Air ou Nitrogen	-	-	-	±2%	60
<b>Chlorine (Cl<sub>2</sub>)</b>					
5 ppm Chlorine // Nitrogen	-	312639	312937	±10%	12
10 ppm Chlorine // Nitrogen	313589	312644	312641	±10%	12
20 ppm Chlorine // Nitrogen	313588	314683	314539	±10%	12
50 ppm Chlorine // Nitrogen	-	313590	322722	±5%	12
<b>Ethane (C<sub>2</sub>H<sub>6</sub>)</b>					
100% Ethane (2.5)	409597	428942	410011	N/A	60
<b>Ethanol (C<sub>2</sub>H<sub>6</sub>O)</b>					
130 ppm Ethanol // Nitrogen	328505	334051	324975	±2%	36
192 ppm Ethanol // Nitrogen	312219	334053	323561	±2%	36
260 ppm Ethanol // Nitrogen	322969	334050	330964	±2%	36
<b>Ethylen oxide (ETO) (C<sub>2</sub>H<sub>4</sub>O)</b>					
10 ppm Ethylen oxide // Air	319367	319319	319515	±2%	6
100 ppm Ethylen oxide // Air	316726	314893	314679	±2%	6
<b>Ethylene (C<sub>2</sub>H<sub>4</sub>)</b>					
1000 ppm Ethylene // Air	325235	325624	312681	±2%	60
1 % Ethylene // Air	314682	315076	313820	±2%	60
1.35 % Ethylene // Air	313701	318834	312018	±2%	60
100% Ethylene (2.5) - 400 psig	432793	432793	410012	±2%	60
→ Between 0.1% - 1.35 % // Air	-	-	-	±2%	60
<b>Formaldehyde (CH<sub>2</sub>O)</b>					
→ Between 2 - 8 ppm // Nitrogen	-	-	-	±10%	12
<b>Helium (He)</b>					
100 % Helium "First" (5.0)	197145	446789	197141	N/A	60
<b>Heptane (C<sub>7</sub>H<sub>16</sub>)</b>					
0.2% Heptane // Air	325856	325994	-	±2%	60
0.44% Heptane // Air	334146	334147	-	±2%	60
0.45% Heptane // Air	316009	327292	-	±2%	60
0.55% Heptane // Air	318099	318611	-	±2%	60
<b>Hexane (C<sub>6</sub>H<sub>14</sub>)</b>					
1000 ppm Hexane // Air	334144	334145	315405	±2%	60
0.5% Hexane // Air	312729	313830	312150	±2%	60
→ Between 0.1% - 05% // Air	-	-	-	±2%	60
<b>Hydrogen (H<sub>2</sub>)</b>					
25 ppm Hydrogen // Air	-	-	346500	±2%	60
100 ppm Hydrogen // Air	314054	325697	313430	±2%	60
200 ppm Hydrogen // Air	315065	314329	314406	±2%	60
500 ppm Hydrogen // Air	319462	314091	314894	±2%	60
0.1% Hydrogen // Air	313536	314612	312153	±2%	60
0.2% Hydrogen // Air	317532	328197	321889	±2%	60
0.4% Hydrogen // Air	312068	325944	318351	±2%	60
0.5% Hydrogen // Air	317559	322347	314804	±2%	60
0.8% Hydrogen // Air	331661	314133	319789	±2%	60
1% Hydrogen // Air	312730	315541	313803	±2%	60
1.2% Hydrogen // Air	334391	334392	319765	±2%	60
1.6% Hydrogen // Air	312731	313657	317783	±2%	60
2% Hydrogen // Air	312071	316519	312025	±2%	60
100 % Hydrogen "First Plus" (5.0)	-	-	197137	±2%	60



Gas mixture	34 liters	58 liters	110 liters	Tolerance	Validity* (in months)
<b>Hydrogen chloride (HCl)</b>					
5 ppm Hydrogen chloride // Nitrogen	444658	199392	446912	±10%	12
10 ppm Hydrogen chloride // Nitrogen	199388	197129	199403	±10%	12
20 ppm Hydrogen chloride // Nitrogen	199270	403192	403196	±10%	12
25 ppm Hydrogen chloride // Nitrogen	199689	414188	197130	±5%	12
50 ppm Hydrogen chloride // Nitrogen	446913	401825	432942	±5%	12
<b>Hydrogen cyanide (HCN)</b>					
5 ppm Hydrogen cyanide // Nitrogen	446858	400563	422420	±5%	12
10 ppm Hydrogen cyanide // Nitrogen	197143	197131	197132	±5%	12
20 ppm Hydrogen cyanide // Nitrogen	446859	430724	408066	±5%	12
25 ppm Hydrogen cyanide // Nitrogen	199602	418489	199792	±5%	12
<b>Hydrogen sulfide (H2S)</b>					
5 ppm Hydrogen sulfide // Nitrogen	319361	327444	317531	±10%	18
10 ppm Hydrogen sulfide // Nitrogen	314285	312147	312144	±10%	18
15 ppm Hydrogen sulfide // Nitrogen	313429	320574	313895	±10%	18
20 ppm Hydrogen sulfide // Nitrogen	322259	313461	312158	±10%	18
25 ppm Hydrogen sulfide // Nitrogen	312168	312169	312172	±5%	18
40 ppm Hydrogen sulfide // Nitrogen	314395	314330	315680	±5%	18
25 ppm Hydrogen sulfide // Nitrogen	312168	312169	312172	±5%	18
50 ppm Hydrogen sulfide // Nitrogen	312969	312185	312184	±5%	18
100 ppm Hydrogen sulfide // Nitrogen	315162	318231	312141	±2%	18
250 ppm Hydrogen sulfide // Nitrogen	320383	314800	316786	±2%	18
500 ppm Hydrogen sulfide // Nitrogen	313946	314506	314384	±2%	18
1000 ppm Hydrogen sulfide // Nitrogen	320382	333336	318027	±2%	18
1400 ppm Hydrogen sulfide // Nitrogen	334423	314598	317778	±2%	18
1% Hydrogen sulfide // Nitrogen	320461	334419	312703	±2%	18
<b>Isobutane (I-C4H10)</b>					
0.75 % Isobutane // Air	315394	315395	312126	±2%	60
0.9 % Isobutane // Air	312226	315872	312203	±2%	60
10 % Isobutane // Nitrogen	312224	325900	333946	±2%	60
<b>Isobutylene (I-C4H8)</b>					
8 ppm Isobutylene // Air	333327	327463	315869	±10%	60
10 ppm Isobutylene // Air	-	-	312948	±10%	60
25 ppm Isobutylene // Air	-	-	346371	±10%	60
100 ppm Isobutylene // Air	312074	312052	312045	±10%	60
500 ppm Isobutylene // Air	-	-	321887	±2%	60
1000 ppm Isobutylene // Air	321402	333334	312938	±2%	60
<b>Methane (CH4)</b>					
100 ppm Methane // Air	314059	312949	322144	±2%	60
1000 ppm Methane // Air	315645	326530	314092	±2%	60
0.5% Methane // Air	321262	327015	312026	±2%	60
1% Methane // Air	312675	315075	312019	±2%	60
1.25% Methane // Air	314050	326676	312022	±2%	60
1.5% Methane // Air	327094	327093	316691	±2%	60
1.8% Methane // Air	314397	312054	313956	±2%	60
2% Methane // Air	312062	314048	312029	±2%	60
2.2% Methane // Air	312065	313498	312049	±2%	60
2.5% Methane // Air	312075	312059	312030	±2%	60
3% Methane // Nitrogen	333128	329431	312032	±2%	60
5% Methane // Nitrogen	321201	324982	317167	±2%	60
8% Methane // Nitrogen	329100	334456	321546	±2%	60
10% Methane // Nitrogen	315947	325938	312037	±2%	60
20% Methane // Nitrogen	317780	334457	312704	±2%	60

Gas mixture	34 liters	58 liters	110 liters	Tolerance	Validity* (in months)
20% Methane // Nitrogen	312748	319829	312634	±2%	60
50% Methane // Nitrogen	312904	324374	314508	±2%	60
50% Methane // Carbon dioxide	313116	312202	327613	±2%	60
60% Methane // Carbon dioxide	199605	199381	197139	±2%	60
100 % Methane (2.5) → Between 5 ppm et 2.5% // Air	-	-	-	±2%	60
<b>Methanol (CH3OH)</b> → Between 0.1% et 0.5% // Air	-	-	-	±10%	24
<b>Nitrogen (N2)</b> 100% Nitrogen "Technical" (5.0)	197146	197135	197140	N/A	60
<b>Nitrogen dioxide (NO2)</b> 5 ppm Nitrogen dioxide // Nitrogen	312943	332788	316933	±10%	6
10 ppm Nitrogen dioxide // Nitrogen	319915	313821	315677	±10%	6
25 ppm Nitrogen dioxide // Nitrogen	-	328945	-	±10%	6
100 ppm Nitrogen dioxide // Nitrogen	334460	313532	318947	±2%	6
500 ppm Nitrogen dioxide // Nitrogen	327567	334461	315671	±2%	6
<b>Nitrogen oxide (NO)</b> 10 ppm Nitrogen oxide // Nitrogen	313107	312970	313948	±10%	12
25 ppm Nitrogen oxide // Nitrogen	312972	312240	312971	±5%	12
50 ppm Nitrogen oxide // Nitrogen	312973	314265	312665	±5%	12
100 ppm Nitrogen oxide // Nitrogen	312963	313531	312956	±2%	12
500 ppm Nitrogen oxide // Nitrogen	317184	316019	322146	±2%	12
1000 ppm Nitrogen oxide // Nitrogen	316789	312962	312961	±2%	12
4000 ppm Nitrogen oxide // Nitrogen	334458	334459	315672	±2%	12
<b>Nitrous oxide (N2O)</b> 100 ppm Dinitrogen dioxide// Nitrogen	312213	326391	315540	±2%	60
200 ppm Dinitrogen dioxide// Nitrogen	313958	328950	333466	±2%	60
1% Dinitrogen dioxide// Nitrogen	331407	331914	315774	±2%	60
<b>Oxygen (O2)</b> 100 ppm Oxygen // Nitrogen	334462	316494	313175	±2%	60
0.4% Oxygen // Nitrogen	324148	326012	312014	±2%	60
1% Oxygen // Nitrogen	313506	316497	313892	±2%	60
2% Oxygen // Nitrogen	315532	334294	312050	±2%	60
4% Oxygen // Nitrogen	318610	314409	312670	±2%	60
5 % Oxygen // Nitrogen	312069	316493	312038	±2%	60
8% Oxygen // Nitrogen	317188	316724	312051	±2%	60
10% Oxygen // Nitrogen	319360	314629	313534	±2%	60
15% Oxygen // Nitrogen	312720	318226	312727	±2%	60
17% Oxygen // Nitrogen	-	-	313166	±2%	60
18% Oxygen // Nitrogen	314722	314286	313651	±2%	60
18.5% Oxygen // Nitrogen	314718	334569	312042	±2%	60
20.9% Oxygen // Nitrogen	312070	312058	312016	±2%	60
23.5% Oxygen // Nitrogen	323558	326810	327416	±2%	60
→ Between 0.1% - 21% // Nitrogen	-	-	-	±2%	60
<b>Pentane (C5H12)</b> 0.35 % Pentane // Air	-	-	318753	±2%	60
0.7 % Pentane // Air	313156	312156	312155	±2%	60
→ Between 0.1% - 0.7% // Air	-	-	-	±2%	60
<b>Phosphine (PH3)</b> 0.5 ppm Phosphine // Nitrogen	199405	199390	411491	±10%	12
5 ppm Phosphine // Nitrogen	406787	414925	400561	±10%	12
10 ppm Phosphine // Nitrogen	199603	403193	446914	±10%	12

Gas mixture	34 liters	58 liters	110 liters	Tolerance	Validity* (in months)
<b>Propane (C3H8)</b>					
0.1% Propane // Air	317558	313954	315713	±2%	60
0.5% Propane // Air	312066	317181	314681	±2%	60
0.68% Propane // Air	312941	312055	322344	±2%	60
0.85% Propane // Air	312064	314401	312046	±2%	60
0.9 % Propane // Air	319465	328113	321886	±2%	60
1% Propane // Air	312077	312053	312047	±2%	60
1.1% Propane // Air	312072	314885	312048	±2%	60
50% Propane // Nitrogen	315536	326644	324629	±2%	60
100% Propane (2.5)	430304	443722	443722	±2%	60
→ Between 5 ppm - 1.1% // Air	*	*	*	±2%	60
<b>Propylene (C3H6)</b>					
1% Propylene // Air	315077	317602	315398	±2%	60
<b>R123</b>					
1000 ppm R123 // Air	334588	339350	339349	±2%	60
<b>R1234YF</b>					
1000 ppm R1234YF // Air	339421	335745	339420	±2%	60
<b>R134A</b>					
500 ppm R134A // Air	314463	320938	313424	±2%	60
1000 ppm R134A // Air	312124	313495	312123	±2%	60
2000 ppm R134A // Air	320337	316529	321377	±2%	60
<b>R14</b>					
1000 ppm R14 // Air	335148	335104	335105	±2%	60
<b>R143A</b>					
1000 ppm R143A // Air	328703	314848	329371	±2%	60
<b>R22</b>					
100 ppm R22 // Air	332789	334623	327974	±2%	60
1000 ppm R22 // Air	314548	321969	315130	±2%	60
2000 ppm R22 // Air	334624	334626	334625	±2%	60
<b>R23</b>					
1000 ppm R23 // Air	334693	334696	334676	±2%	60
<b>R404A</b>					
500 ppm R404A // Air	334694	327991	327768	±2%	60
1000 ppm R404A // Air	320625	322665	320098	±2%	60
2000 ppm R404A // Air	334714	334715	325414	±2%	60
<b>R407A</b>					
1000 ppm R407A // Air	339554	339552	339551	±2%	60
<b>R407C</b>					
1000 ppm R407C // Air	328225	322664	319479	±2%	60
<b>R410A</b>					
1000 ppm R410A // Air	322115	328951	319174	±2%	60
3000 ppm R410A // Air	334716	334717	333324	±2%	60
<b>R507</b>					
1000 ppm R507 // Air	327168	334719	333333	±2%	60
2000 ppm R507 // Air	332766	334721	328824	±2%	60

Gas mixture	34 liters	58 liters	110 liters	Tolerance	Validity* (in months)
<b>Silane (SiH<sub>4</sub>)</b>					
5 ppm Silane // Nitrogen	199393	199394	406788	±10%	12
10 ppm Silane // Nitrogen	403197	409398	414446	±10%	12
15 ppm Silane // Nitrogen	421142	199389	417922	±10%	12
<b>Sulfur dioxide (SO<sub>2</sub>)</b>					
5 ppm Sulfur dioxide // Nitrogen	-	314606	-	±10%	12*
10 ppm Sulfur dioxide // Nitrogen	312721	312243	312241	±10%	12*
20 ppm Sulfur dioxide // Nitrogen	313174	314058	315275	±10%	12*
25 ppm Sulfur dioxide // Nitrogen	-	317938	-	±10%	12*
100 ppm Sulfur dioxide // Nitrogen	334745	313533	313944	±2%	12*
2000 ppm Sulfur dioxide // Nitrogen	334746	334747	315501	N/A	12*
→ Between 5ppm - 2000 ppm // Nitrogen	-	-	-	±2%	60
<b>Sulfur hexafluoride (SF<sub>6</sub>)</b>					
500 ppm Sulfur hexafluoride // Air	318277	334749	326148	±2%	60
1000 ppm Sulfur hexafluoride // Air	314185	334863	320099	±2%	60
1 % Sulfur hexafluoride // Air	334864	334865	333924	±2%	60
100 % Sulfur hexafluoride (4.0)	446790	-	6017419	N/A	60
<b>Toluene (C<sub>7</sub>H<sub>8</sub>)</b>					
100 ppm Toluene // Air	333332	333331	313113	±2%	60
200 ppm Toluene // Air	327123	334866	314240	±2%	60
→ Between 50 ppm - 1000 ppm Toluene // Air	-	-	-	±2%	60
<b>Vinyl chloride (VCM) (C<sub>2</sub>H<sub>3</sub>Cl)</b>					
10 ppm Vinyl chloride // Nitrogen	313649	326073	325696	±10%	60

\* Validity ±3 months taking into account variable storage durations

On request, many gaseous mixtures not referenced in this document such as: butadiene, butene, propanol, acetone, cyclohexane, cyclopentane, isobutene, xylene, etc.  
 Do not hesitate to contact us for any special requests.

## Multi gas cylinders







Number of gases	Gas mixtures	34 liters	58 liters	110 liters	Tolerance	Validity* (in months)
2 gases	09 % Butane / 18% Oxygen // Nitrogen	334948	334949	322614	±2%	60
	2.5% Méthane / 18% Oxygen // Nitrogen	317598	317601	312835	±2%	60
	0.7 % Pentane / 18 % Oxygen // Nitrogen	335031	329096	322616	±2%	60
3 gases	100 ppm Carbon monoxide / 2.5 % Methane / 18 % Oxygen // Nitrogen	317605	317604	330312	±2%	60
	25 ppm Hydrogen sulphide / 2.5 % Methane / 18.5 % Oxygen // Nitrogen	312682	313502	-	DIF.	12
4 gases	20 ppm H <sub>2</sub> S / 60 ppm CO / 1.4.5 % CH <sub>4</sub> / 15 % O <sub>2</sub> // N <sub>2</sub> (mixe MSA)	316016	312242	-	DIF.	12
	25 ppm H <sub>2</sub> S / 100 ppm CO / 2.2 % CH <sub>4</sub> / 18 % O <sub>2</sub> // N <sub>2</sub> (mixe BW)	312118	312117	-	DIF.	12
	25 ppm H <sub>2</sub> S / 100 ppm CO / 2.5 % CH <sub>4</sub> / 18 % O <sub>2</sub> // N <sub>2</sub>	312198	312201	-	DIF.	12
	25 ppm H <sub>2</sub> S / 100 ppm CO / 0.35 % Pentane / 18 % O <sub>2</sub> // N <sub>2</sub>	326282	314131	-	DIF.	12
5 gases	225 ppm H <sub>2</sub> S / 100 ppm CO / 2 % CO <sub>2</sub> / 2.5 % CH <sub>4</sub> / 20.9 % O <sub>2</sub> // N <sub>2</sub>	335520	327770	-	DIF.	12

\* Specific mixtures imposing a minimum order of 6 pieces




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## Flow controllers

	<p>Nickel-plated brass fixed flow regulator for non-corrosive gases.</p> <p>These devices are pre-set to provide a 0.5 liter / minute fixed gas flow rate (other fixed flow rates on request). Indication of the content of the cylinder with the pressure gauge of the flow regulator.</p> <p>(Several other flow rates available: 0.1 liter / minute: 198324 - 1.0 liters / minute: 198842 - 2.0 liters / minute: 198322)</p>	<p>186414</p>
	<p>Fixed flow regulator made of stainless steel for corrosive gases such as HCN, Cl<sub>2</sub>, HCl, NH<sub>3</sub>.</p> <p>These devices are pre-set to provide a fixed 0.5 liter / minute gas flow rate (other fixed flow rates on request). Indication of the content of the cylinder with the pressure gauge of the flow regulator. (Several other available flow rates 0.1 liter / minute: 451665 - 1.0 liters / minute: 197941 - 2.0 liters / minute: 418248)</p>	<p>197943</p>
	<p>S-Flow type valve providing very precise adjustment of adjustable flow rates.</p> <p>It is equipped with an integral flow control valve, a clearly graduated flow meter for easy operation and a pressure gauge indicating the content of the cylinder. A small section of polyurethane tubing is provided.</p>	<p>198253</p>
	<p>Stainless steel demand flow regulator for corrosive gases such as HCN, Cl<sub>2</sub>, HCl, NH<sub>3</sub></p> <p>Designed for instruments with a pump. The flow rate of the regulator corresponds to what is required by the instrument. Indication of the content of the cylinder with the pressure gauge of the flow regulator.</p>	<p>402214</p>
	<p>Nickel-plated brass demand flow regulator for non-corrosive gases.</p> <p>Designed for instruments with a pump. The flow of the regulator corresponds to what is required by the instrument. Indication of the content of the cylinder with the pressure gauge of the flow regulator.</p>	<p>198329</p>
	<p>0.5 liter / minute flow regulator with nickel-plated brass pushrod for non-corrosive gases</p> <p>These devices are pre-set to provide a fixed gas flow. Indication of the content of the cylinder with the pressure gauge of the flow regulator. (Several other flow rates available: 1.0 liter / minute: 198251 - 6 liters / minute: 435093 - 14 liters / minute: 475219)</p>	<p>198250</p>

## Accessories

	<p>Rigid carrying case for 2 bottles (all sizes)</p>	<p>198258</p>
	<p>Soft bag for 3 bottles of 58 or 110 liters</p>	<p>198257</p>
	<p>Recycling tools for used disposable gas cylinders</p>	<p>198260</p>

\*Reference in orange = permanent stock



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