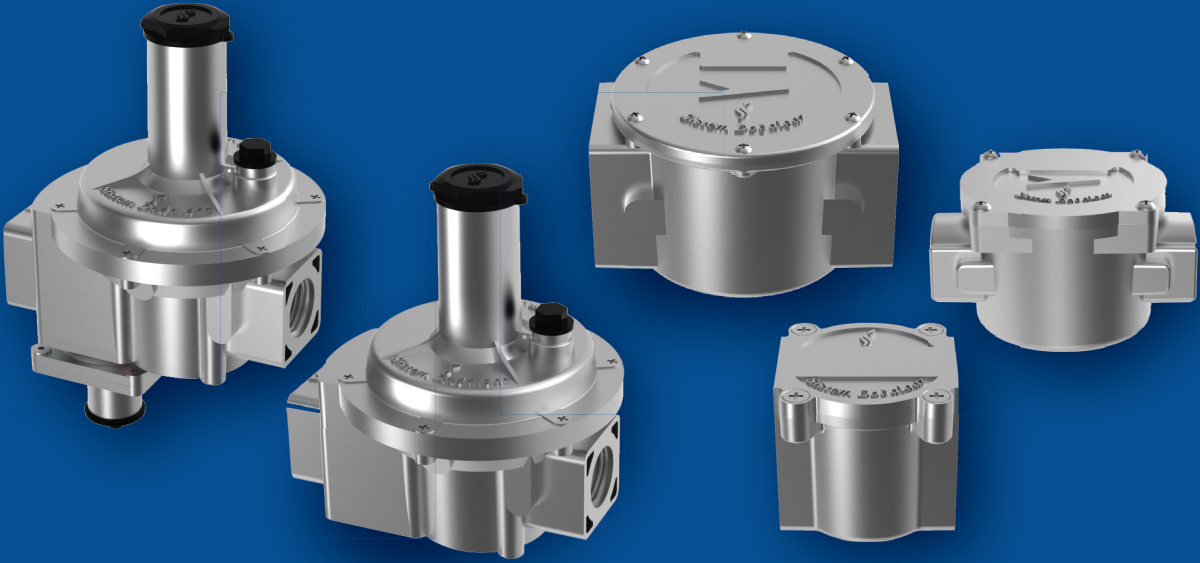




Doğalgaz Teknik Malz. ve Dış Tic. Ltd. Şti.



**SİSTEM DOĞALGAZ
FILTERS AND REGULATORS**



GENERAL FEATURES

Sistem Doğalgaz gas pressure regulators which are designed to reduce gas pressure from inlet pressure to desired outlet pressure, can be used in all gas installations up to 1 bar inlet pressure for gas family 1,2 and 3.

Some models are equipped with a safety valve called OPSO (Overpressure Shut Off) which stops the gas flow when outlet pressure exceeds the set pressure.

All regulators have an internal impuls sensing line.

It is possible to adjust outlet pressure and lock up pressure with different springs which can be chosen from spring table.

Regulators can be supplied with or without filter in accordance with the customer's need. User can easily replace filter cartridge used in models with filter with a new one when required.

All models are produced in conformity with TS EN 88-2 standard.



- SDR015 / SDFR015 1/2"
- SDR020 / SDFR020 3/4"
- SDR025 / SDFR025 1"

TECHNICAL SPECIFICATIONS

- Connections : 1/2" - 3/4" - 1"
(threaded according to UNI-ISO 7/1)
- Maximum inlet pressure : 1 bar
- Outlet pressure range : 10-300 mbar
- Lock up pressure range : 30-400 mbar
- Filtration capacity : ≤ 50 micron
- Working temperature : -20°C...+60°C

MATERIAL FEATURES

- Body and cover : Die cast aluminium alloys
- Plastic components : POM (Polyacetal - Delrin)
- Diaphragms : NBR
- Gaskets : NBR
- O-rings : NBR
- Filter cartridge : Non-combustible synthetic fabric
- Springs : Steel

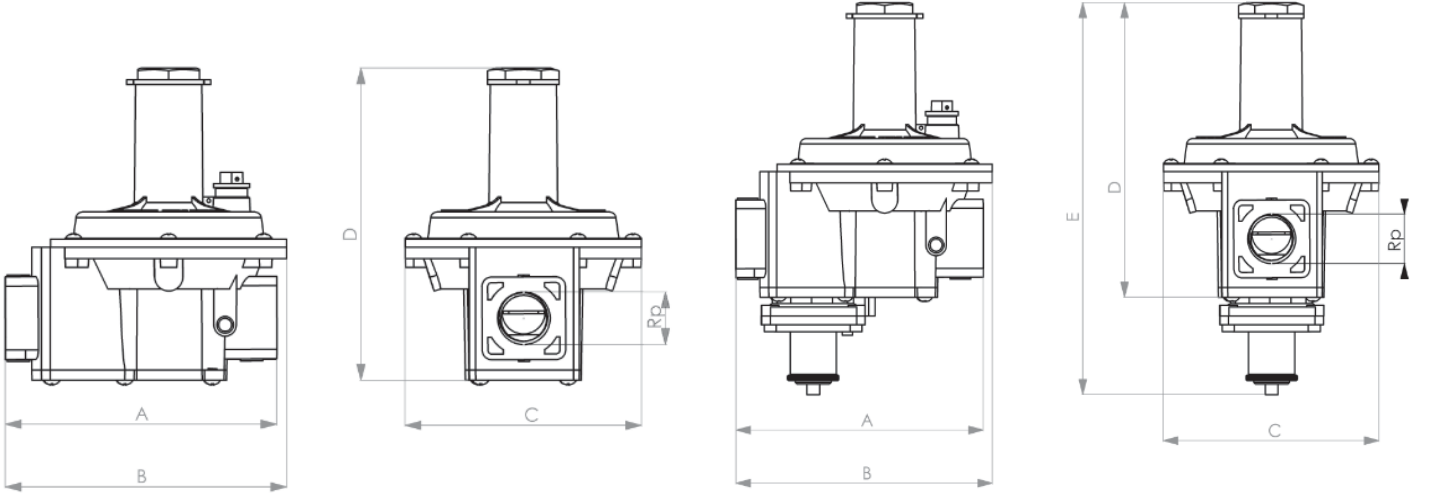
MATERIAL STANDARDS

- Aluminium alloys : TS EN 1706
- Stainless steel materials : TS EN 10088 - aisi 304
- Springs : TS 1440
- Filter cartridge : TS EN 779
- Diaphragms,gaskets,o-rings : EN 549



- SDR015/B - SDFR015/B 1/2"
- SDR020/B - SDFR020/B 3/4"
- SDR025/B - SDFR025/B 1"

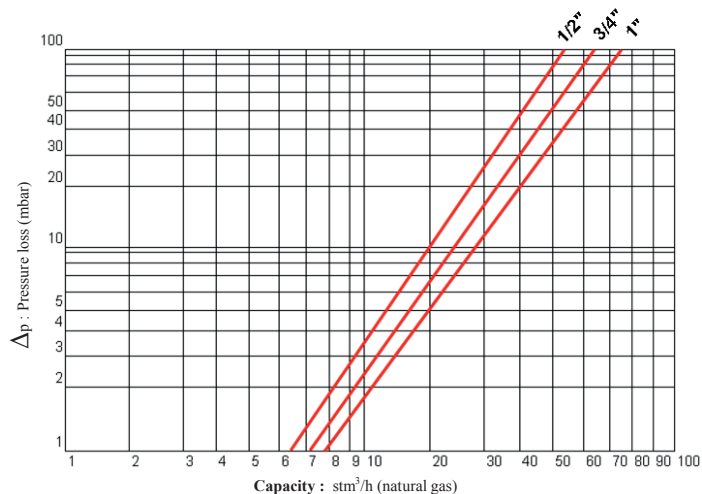
GAS PRESSURE REGULATOR



DIMENSIONS AND WEIGHT									
Code		Diameter	Pmax	Dimensions (mm)					Weight
Without filter	With filter	inch	bar	A	B	C	D	E	gram
SDR015	SDFR015	1/2"	1	144	150	126	165	-	1070
SDR015/B	SDFR015/B	1/2"	1	144	150	126	165	170	1200
SDR020	SDFR020	3/4"	1	144	150	126	165	-	1040
SDR020/B	SDFR020/B	3/4"	1	144	150	126	165	170	1170
SDR025	SDFR025	1"	1	144	150	126	165	-	1000
SDR025/B	SDFR025/B	1"	1	144	150	126	165	170	1130

SPRINGS FOR REGULATOR	Spring range (mbar)	7-20	10-30	25-70	50-170	125-350
SDR015 - SDR015/B - SDFR015 - SDFR015/B	Spring colour	GREY	WHITE	BLUE	BLACK	RED
SDR020 - SDR020/B - SDFR020 - SDFR020/B	Spring code	BY01	BY02	BY03	BY04	BY05
SDR025 - SDR025/B - SDFR025 - SDFR025/B						

SPRINGS FOR OPSO	Spring range (mbar)	30-50	40-110	100-400
SDR015/B - SDFR015/B	Spring colour	WHITE	BLACK	RED
SDR020/B - SDFR020/B	Spring code	KY01	KY02	KY03
SDR025/B - SDFR025/B				



LPG için : the value in the table x 1,2
Hava için : the value in the table x 0,789

GAS FILTER

GENERAL FEATURES

Sistem Doğalgaz gas filters which are installed upstream of the regulator and prevents the passage of dust and dirt particles in the gas into the device , can be used in all gas installations for all types of Natural Gas,LPG and non corrosive gases.

Filter cartridge having a high filtration capacity is made of synthetical fiber and easily cleaned.

All filters are produced in conformity with TS 10276 standard.



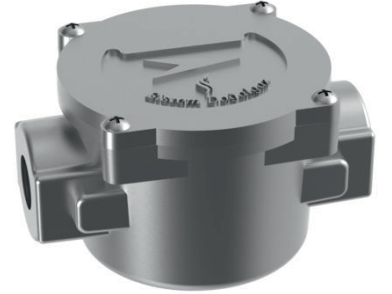
- SDKF015 1/2"
- SDKF020 3/4"

TECHNICAL SPECIFICATIONS

- Connections : 1/2" - 3/4" - 1" - 1 1/4" - 1 1/2" - 2"
(threaded according to UNI- ISO 7/1)
- Maximum inlet pressure : 4 bar - 6 bar
- Test pressure : 10 bar
- Filtration capacity : ≤ 50 micron
- Working temperature : -20°C...+80°C

MATERIAL FEATURES

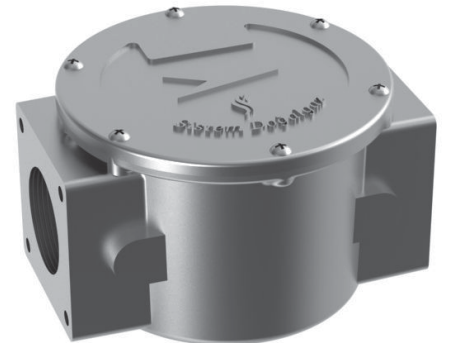
- Body and cover : Die cast aluminium alloys
- Filter cartridge : Synthetic fiber
- O-ring : NBR



- SDF015 1/2"
- SDF020 3/4"
- SDF025 1"

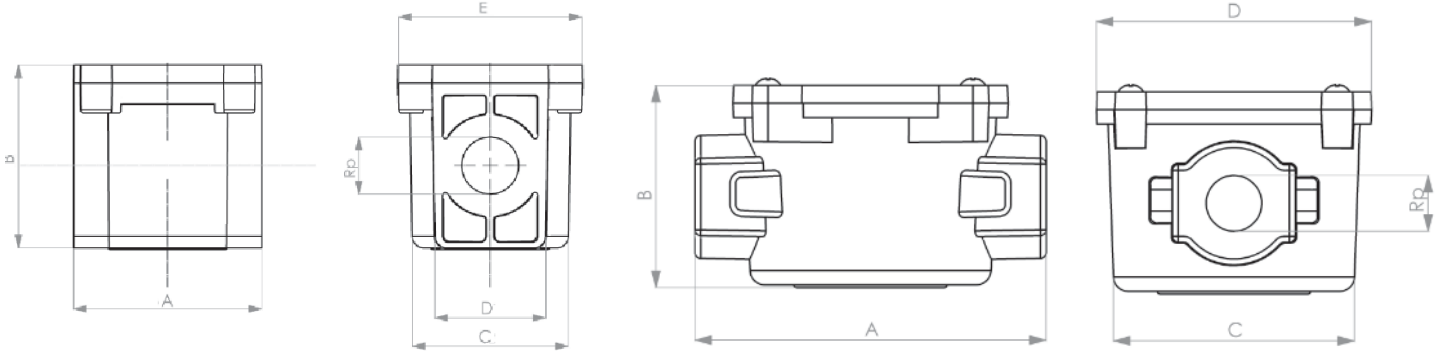
MATERIAL STANDARDS

- Aluminium alloys : TS EN 1706
- Filter cartridge : TS EN 779
- O-ring : EN 549



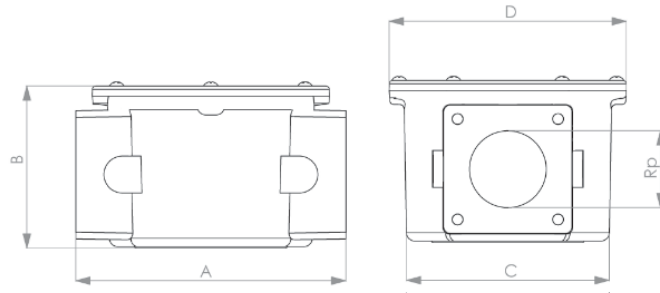
- SDF032 1 1/4"
- SDF040 1 1/2"
- SDF050 2"

GAS FILTER



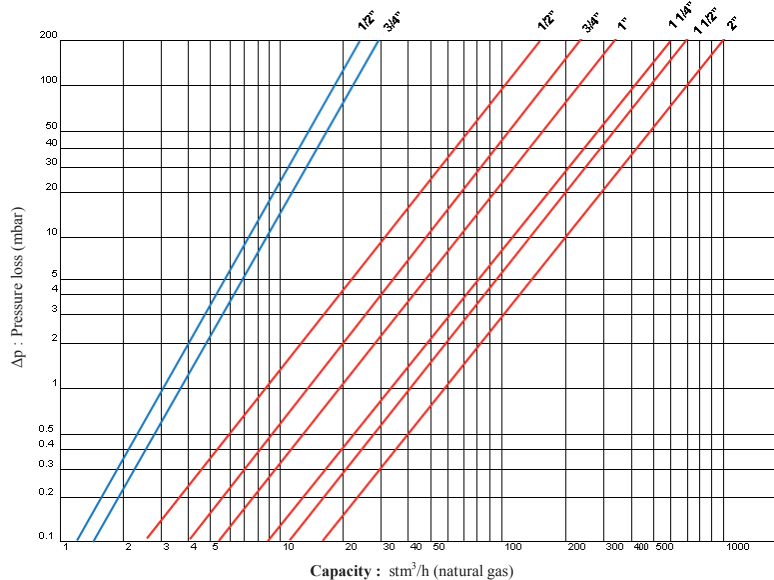
SDKF015 - SDKF020

SDF015 - SDF020 - SDF025

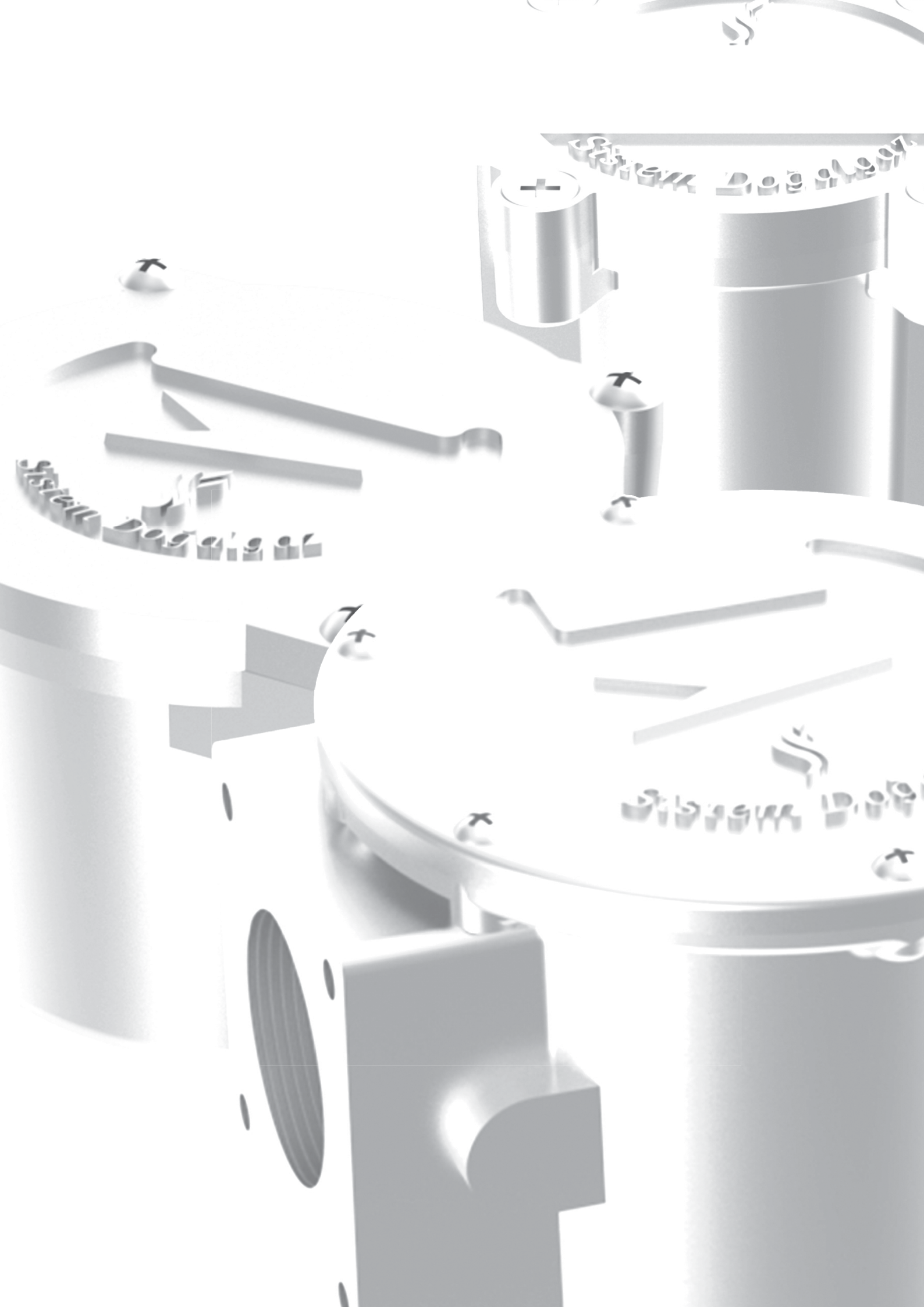


SDF032 - SDF040 - SDF050

DIMENSIONS AND WEIGHT								
Code	Diameter	Pmax	Dimensions (mm)					Weight
	inch	bar	A	B	C	D	E	
SDKF015	1/2"	4 - 6	63	61	52	37	61	270
SDKF020	3/4"	4 - 6	63	61	52	37	61	255
SDF015	1/2"	4 - 6	120	69	81	94	-	580
SDF020	3/4"	4 - 6	120	69	81	94	-	560
SDF025	1"	4 - 6	120	69	81	94	-	540
SDF032	1 1/4"	4 - 6	160	96	121	142	-	1570
SDF040	1 1/2"	4 - 6	160	96	121	142	-	1550
SDF050	2"	4 - 6	160	96	121	142	-	1425



LPG : the value in the table x 1,2
Air : the value in the table x 0,789



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