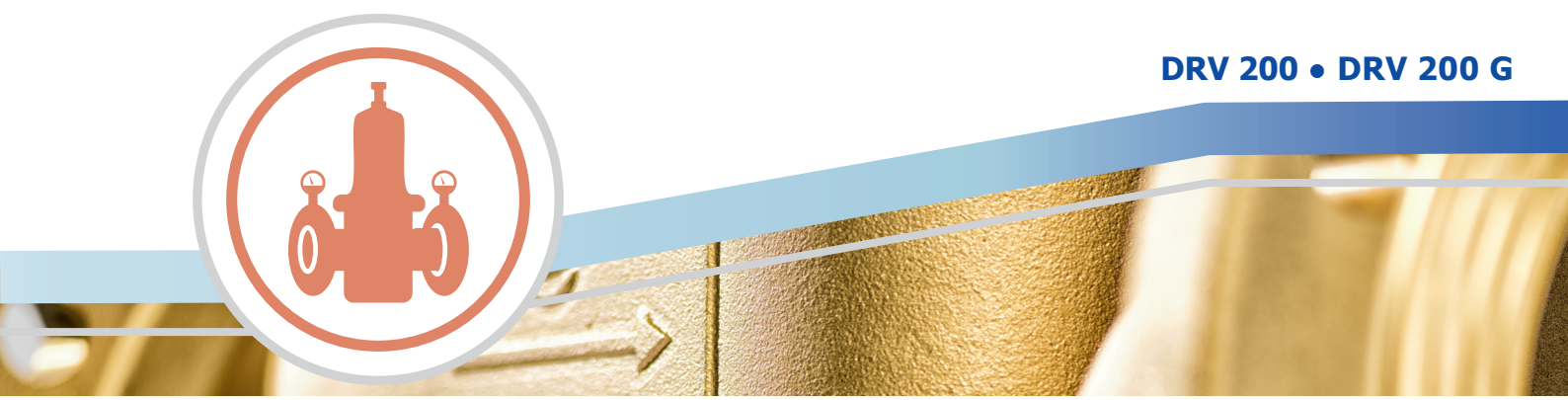


DRV 200 • DRV 200 G
Type A (DN 8 - DN 25)

DRV 200 • DRV 200 G
Type B (DN 32 - DN 50)

Pressure reducing valve
Female thread • Standard pressure
Red bronze

Pressure reducing valves of the series are diaphragm-controlled, spring-loaded pressure reducing valves. The series has a high setting accuracy and good response behaviour due to the low friction of the few moving internal parts.

DGRL 2014/68/EU CE

Classification societies

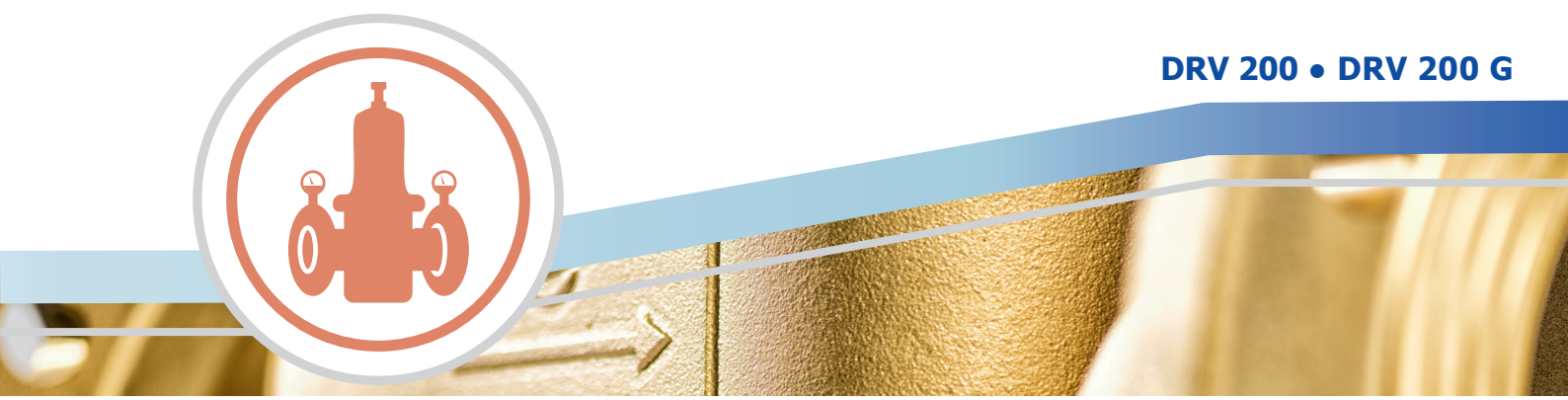
- DNV GL
- LR
- BV
- ABS
- CCS

Customs tariff number

84811099

Media

The pressure reducers are suitable for use with compressed air and neutral gases, but can also be used for water and neutral liquids when smaller flow rates are required.



Features

- non-pressure-reliefed single seated valve
- diaphragm-controlled
- continously adjustable outlet pressure
- max. inlet pressure up to 25 bar
- outlet pressure: 0,8 - 8 bar
- highest reduction ratio 10:1
- female thread acc. ISO 228, optionally with NPT-thread
- double-ended G ¼" manometer fitting (for outlet pressure)
- assembly position: any desired, preferably vertical
- minimum pressure difference (inlet/outlet pressure):1 bar

Pressures

p1 max. 25 bar

p2 0,8 - 8 bar

Connections

Female thread
acc. ISO 228
from G 1/4" to G 2"

Temperatures

The seals and membranes used allow temperatures up to max. 100°C.

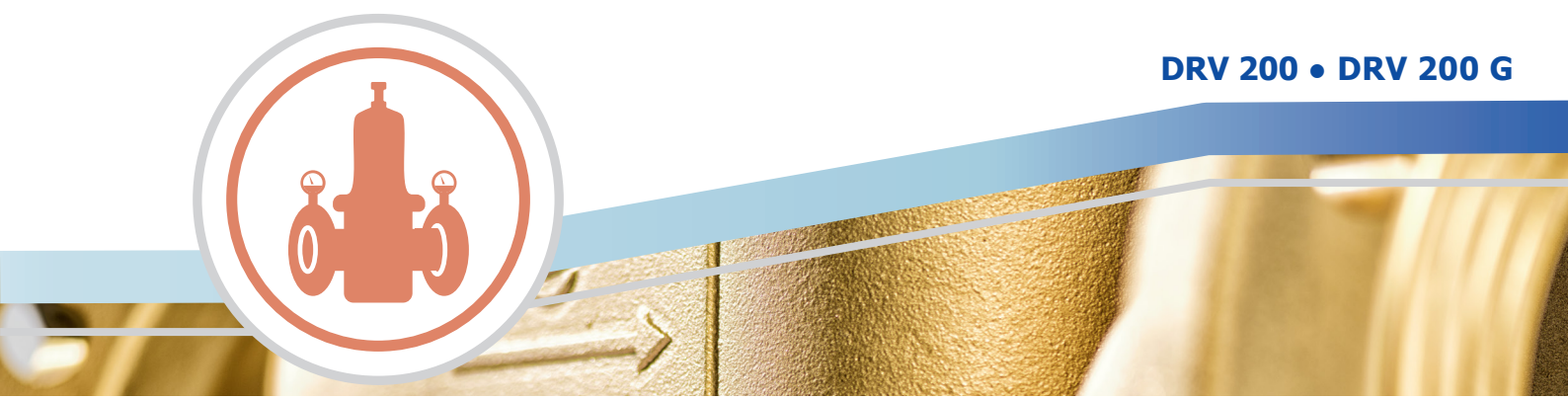
from -15 °C up to +100 °C

Seals and temperatures

NBR	-15°C to +100°C

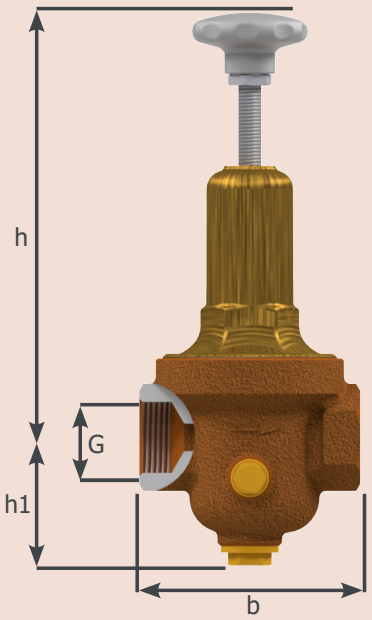
Materials

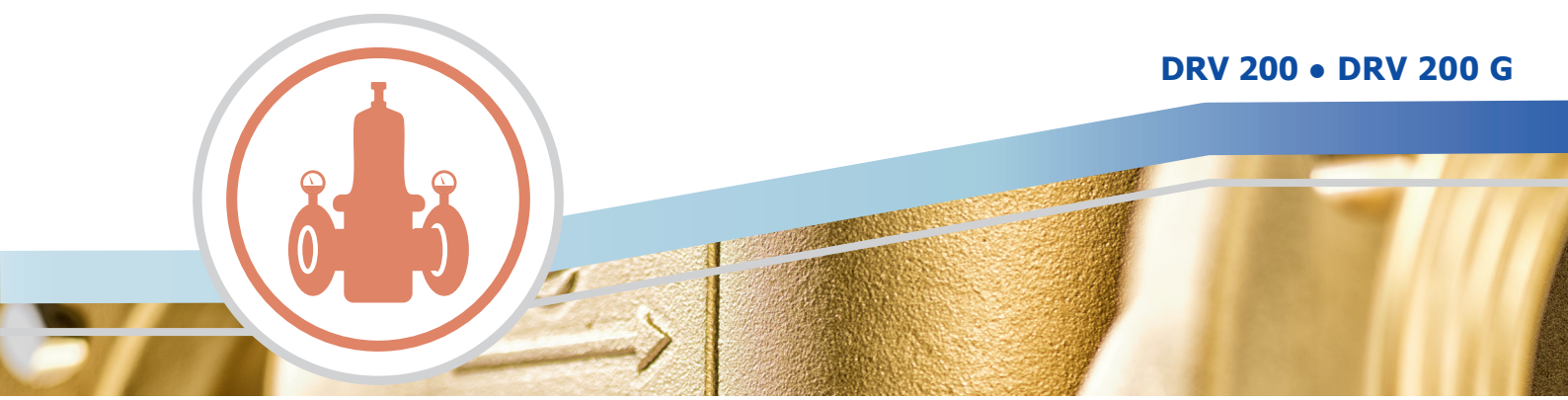
	body	spring bonnet	diaphragm	seals	wetted parts	max. temperature
standard version	red bronze CC499K	up to DN 25 brass from DN 32 cast iron	CR	NBR	brass	100 °C



Technical data

nominal size	8	10	15	20	25	32	40	50
G	1/4“	3/8“	1/2”	3/4”	1”	1 1/4”	1 1/2”	2”
Type			A				B	
Pressures	max. inlet pressure [bar]							
max. 25 bar	DRV 200		25				25	
	DRV 200 G		25				25	
	outlet pressure [bar]							
0,8 - 8 bar	DRV 200		1,5 - 8				1,5 - 8	
	DRV 200 G		0,8 - 8				0,8 - 8	
Connections	dimensions [mm]							
Female thread from G 1/4“ up to G 2“	all types	G	1/4”	3/8”	1/2”	3/4”	1”	1 1/4”	1 1/2”	2”
		b	70	70	85	85	95	104	108	147
		h1	47	47	47	47	56	61	61	71
		h	118	122	143	143	186	263	262	306
	weight [kg]									
	DRV 200		0,8	0,8	1,1	1,1	1,7	4,1	4,2	7,2
	DRV 200 G		0,8	0,8	1,1	1,1	1,7	4,1	4,2	7,2
	kvs-value [m³/h]									
	all types		0,5	0,6	1,2	1,3	1,6	4,2	4,5	7,2





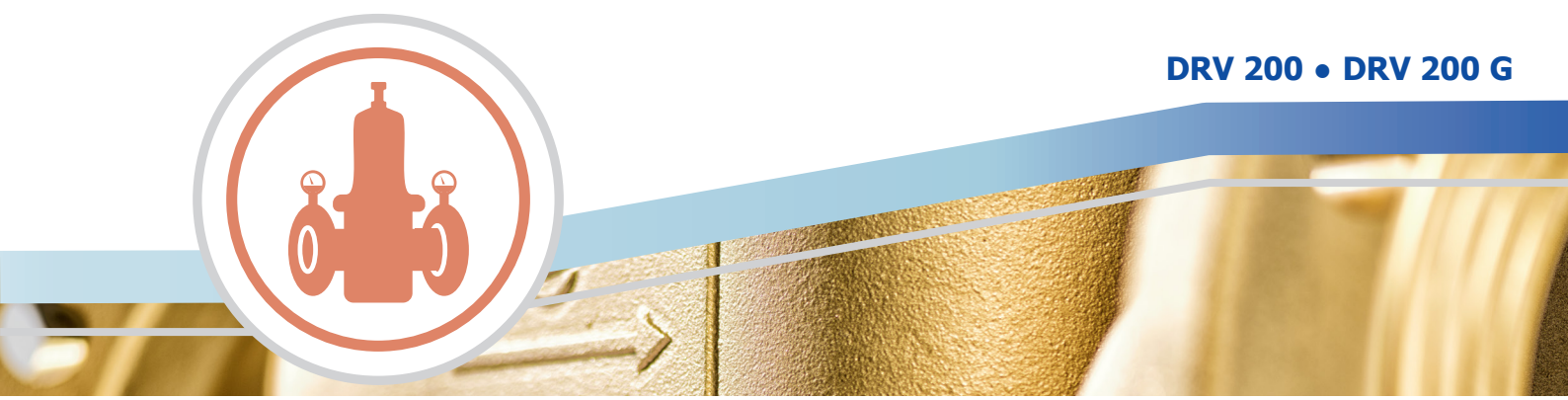
Article number

nominal size	8	10	15	20	25	32	40	50
G	1/4”	3/8”	1/2”	3/4“	1“	1 1/4”	1 1/2”	2”
standard version								
DRV 200	002000	002001	002002	002003	002004	002005	002006	002007
DRV 200 G	002100	002101	002102	002103	002104	002105	002106	002107

Standard article numbers are 6 digits, article numbers for additional options are 11 digits. (See next page for an overview of options)

Manometer

diameter	connection	body	pressure range	max. temp.	art.no.
50 mm	G 1/4”, central back	steel	0 - 4 bar	60°C	009001
50 mm	G 1/4”, central back	steel	0 - 10 bar	60°C	009002
63 mm	G 1/4”, central back	stainless steel	0 - 10 bar	200°C	009014



Options

CC - conncetion		
00 -	ISO 228	standard
30 -	NPT - ASME B1.20.1	

E - elastomers		
0 -	CR/ NBR	standard

M - materials wetted parts		
0 -	brass	Standard

F - finishes	
0 -	without additional finishes
1 -	inside + outside nickel plated
3 -	inside + outside chrome-plated
5 -	inside + outside chemically nickel-plated

Configuration example of an article number with additional options

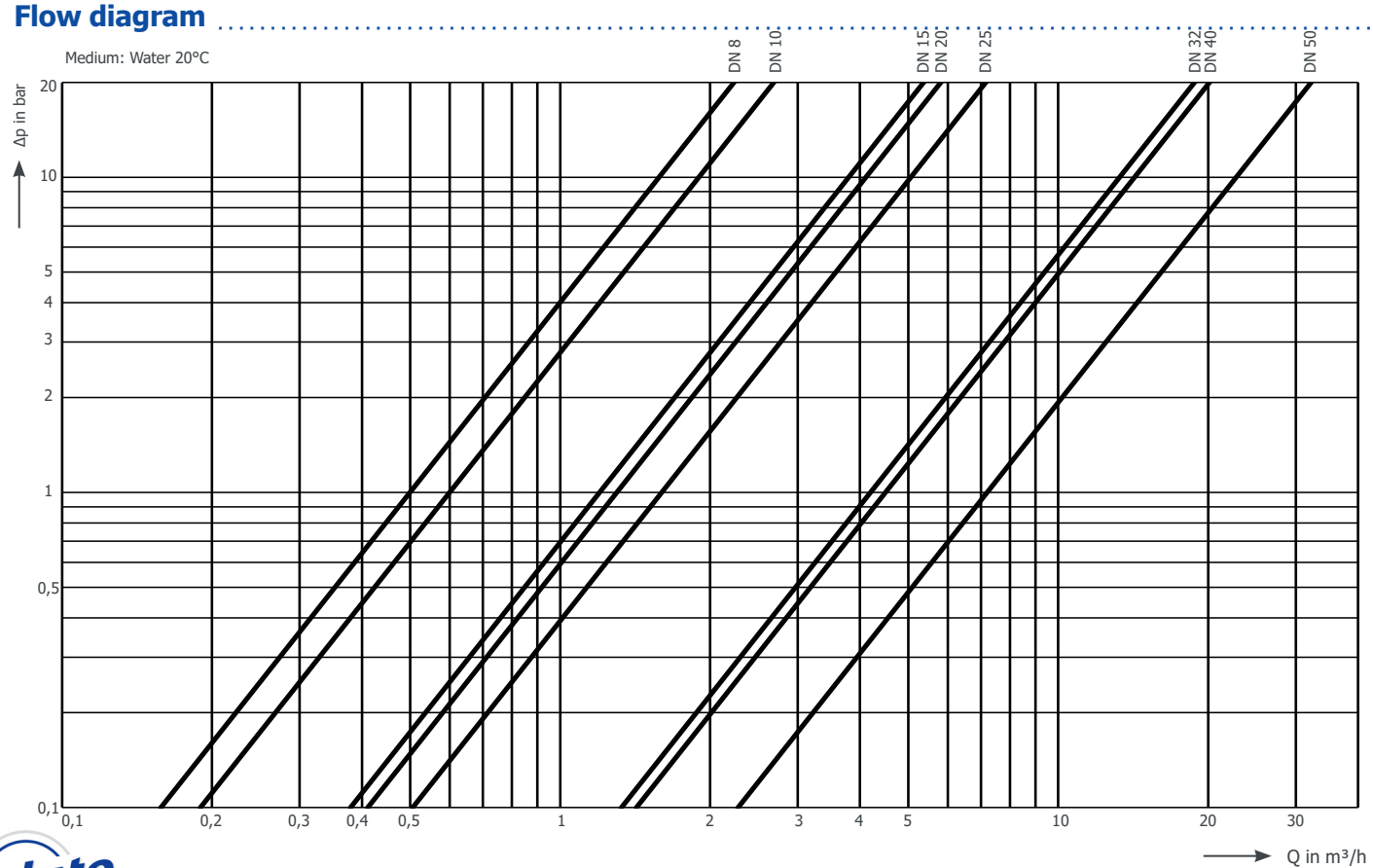
inlet pressure: 10 bar
seals: CR/ NBR

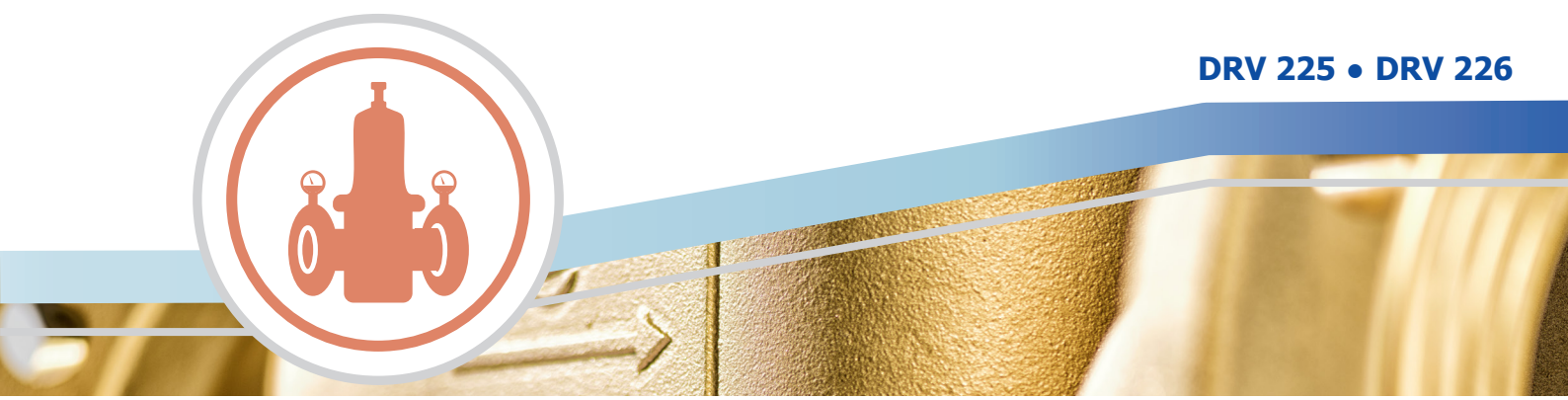
outlet pressure: 4 bar
temperature: 30 °C

connection: 2” NPT
without additional finishes

art. no. standard version						-	C	C	M	E	F
0	0	2	0	0	7	-	3	0	0	0	0

Flow diagram





DRV 225 • DRV 226
Type A (DN 8 - DN 25)

DRV 225 • DRV 226
Type B (DN 32 - DN 50)

Pressure reducing valve
Female thread • High pressure
Red bronze

Pressure reducing valves of the series are piston-controlled, spring-loaded pressure reducing valves. The series has a high setting accuracy and good response behaviour due to the low friction of the few moving internal parts.

DGRL 2014/68/EU CE

Classification societies

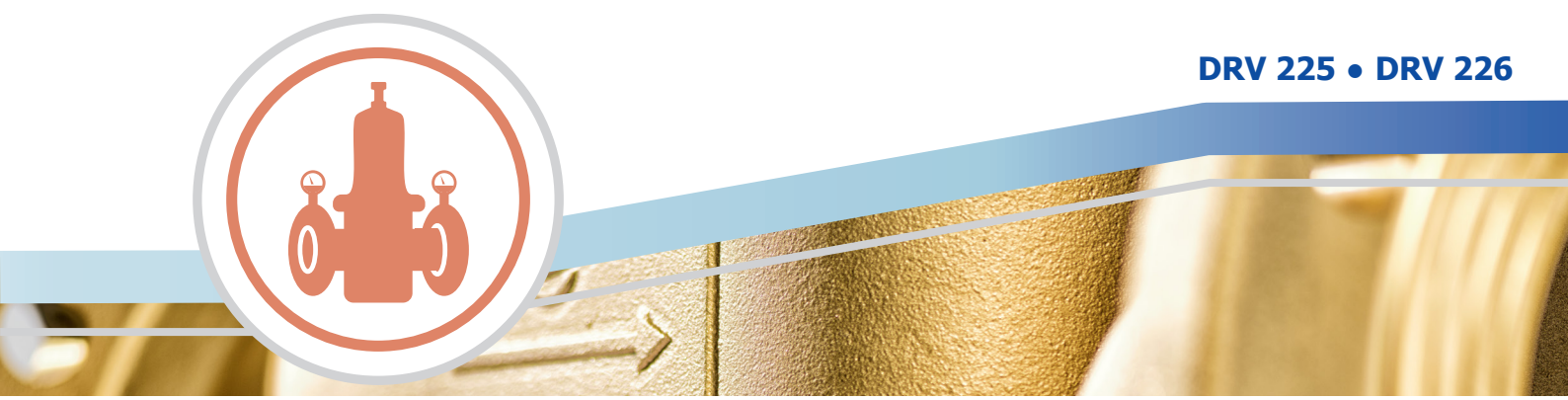
- DNV GL
- LR
- BV
- ABS
- CCS

Customs tariff number

84811099

Media

The pressure reducers are suitable for use with compressed air and neutral gases, but can also be used for water and neutral liquids when smaller flow rates are required.



Features

- non-pressure-reliefed single seated valve
- diaphragm-controlled
- continously adjustable outlet pressure
- max. inlet pressure up to 60 bar
- outlet pressure: 1,5 - 45 bar
- highest reduction ratio 6:1
- female thread acc. ISO 228, optionally with NPT-thread
- double-ended G ¼" manometer fitting (for outlet pressure)
- assembly position: any desired, preferably vertical
- minimum pressure difference (inlet/outlet pressure):1 bar

Pressures

p1 max. 60 bar

p2 1,5 - 45 bar

Connections

Female thread
acc. ISO 228
from G 1/4" to G 2"

Temperatures

The seals and membranes used allow temperatures up to max. 100°C.

from -15 °C up to +190 °C

Seals and temperatures

NBR	-15°C to +100°C
FPM*	-10°C to +190°C

* only DN 15 to DN 50

Special version for high temperature(-HT)

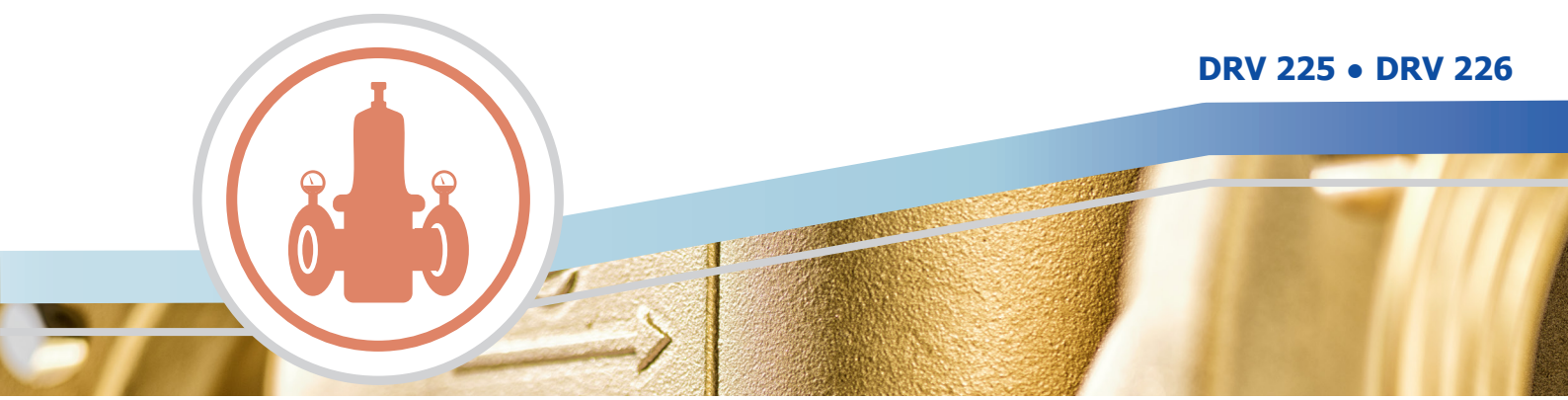
Often the temperature resistance of standard pressure reducers is not sufficient for your application. For such applications, various variants of the -HT series are available. This high temperature series is equipped with FPM seals. Thus, a maximum temperature resistance of 190°C is achieved with FPM seals in combination with metallic internal parts.

Please note that these pressure reducers are not suitable for use with steam.

Materials

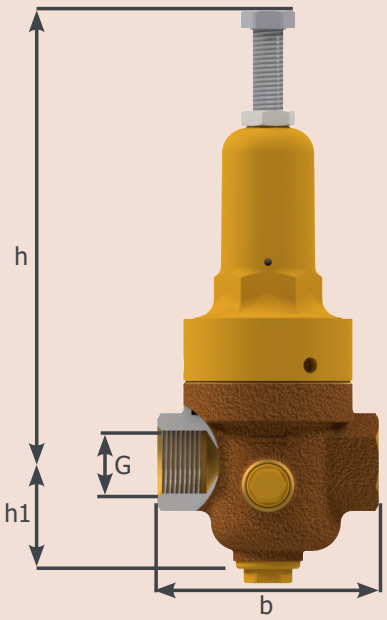
	body	spring bonnet	seals	wetted parts	max. temperature
standard version	red bronze CC499K	up to DN 25 brass* from DN 32 cast iron	NBR	brass	100 °C
Special versions:					
high temperature (-HT)*	red bronze CC499K	up to DN 25 brass from DN 32 cast iron	FPM	brass	190 °C*

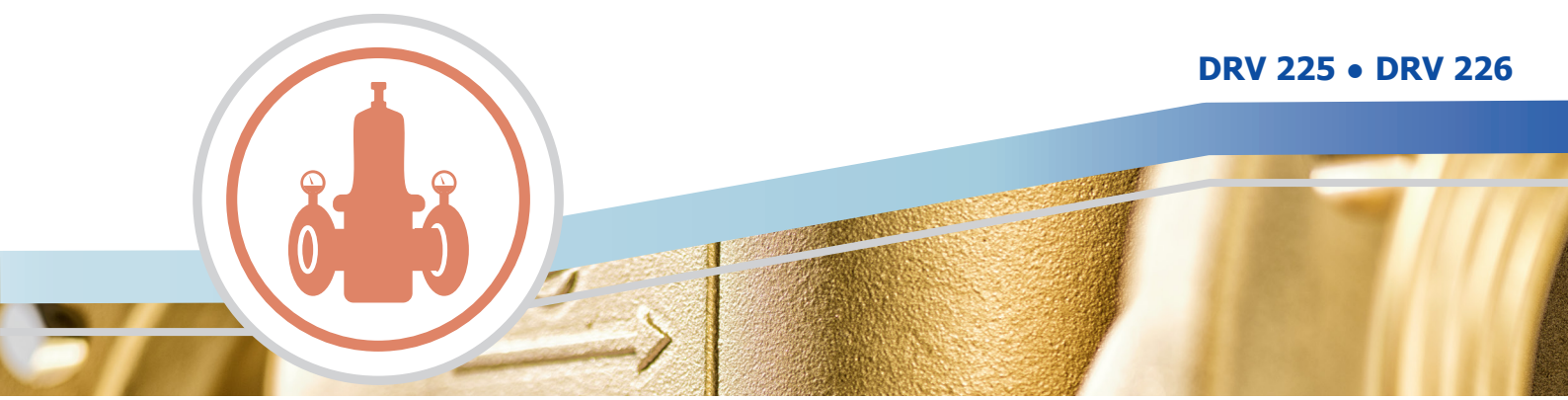
*only DN 15 to DN 50



Technical data

nominal size	8	10	15	20	25	32	40	50
G	1/4“	3/8“	1/2”	3/4”	1”	1 1/4”	1 1/2”	2”
Type			A				B	
Pressures	max. inlet pressure [bar]							
max. 60 bar	DRV 225		40				40	
	DRV 226		60				--	
	outlet pressure [bar]							
1,5 - 45 bar	DRV 225		1,5 - 20				1,5 - 20	
	DRV 226		20 - 45				--	
Connections	dimensions [mm]							
Female thread from G 1/4“ up to G 2“	all types	G	1/4”	3/8”	1/2”	3/4”	1”	1 1/4”	1 1/2”	2”
		b	70	70	85	85	95	104	108	147
		h1	47	47	47	47	56	61	61	71
		h	147	147	181	181	196	302	301	329
	weight [kg]									
	DRV 225		1,2	1,2	1,7	1,7	2,7	6,1	6,2	9,9
	DRV 226		1,6	1,5	1,9	1,9	--	--	--	--
	kvs-value [m³/h]									
	all types		0,5	0,6	1,2	1,3	1,6	4,2	4,5	7,2





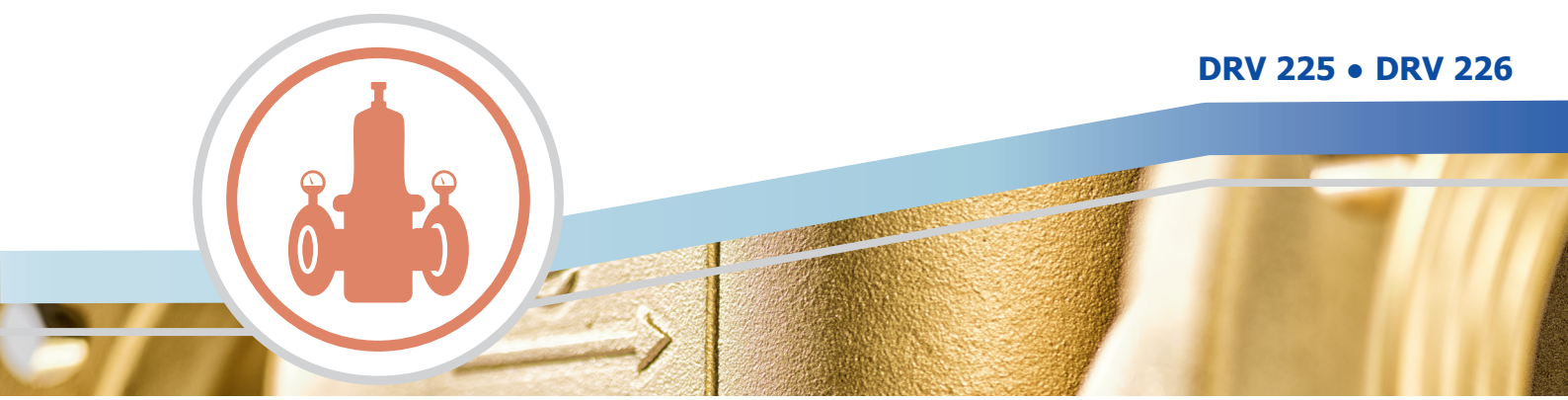
Article number

nominal size	8	10	15	20	25	32	40	50
G	1/4”	3/8”	1/2”	3/4“	1“	1 1/4”	1 1/2”	2”
standard version								
DRV 225	002200	002201	002202	002203	002204	002205	002206	002207
DRV 226	022600	022601	022602	022603	--	--	--	--
special version								
high temperature -HT	--	--	art.no. standard + -00030			art.no. standard + -00030		

Standard article numbers are 6 digits, article numbers for additional options are 11 digits. (See next page for an overview of options)

Manometer

diameter	connection	body	pressure range	max. temp.	art.no.
50 mm	G 1/4”, central back	steel	0 - 4 bar	60°C	009001
50 mm	G 1/4”, central back	steel	0 - 10 bar	60°C	009002
63 mm	G 1/4”, central back	stainless steel	0 - 10 bar	200°C	009014



Options

CC - connection		
00 -	ISO 228	standard
30 -	NPT - ASME B1.20.1	

E - elastomers		
0 -	NBR	standard
3 -	FPM	from DN 15 up to DN 50

M - material wetted parts		
0 -	Messing	Standard

F - finishes	
0 -	without additional finishes
1 -	inside + outside nickel plated
3 -	inside + outside chrome-plated
5 -	inside + outside chemically nickel-plated

Configuration example of an article number with additional options

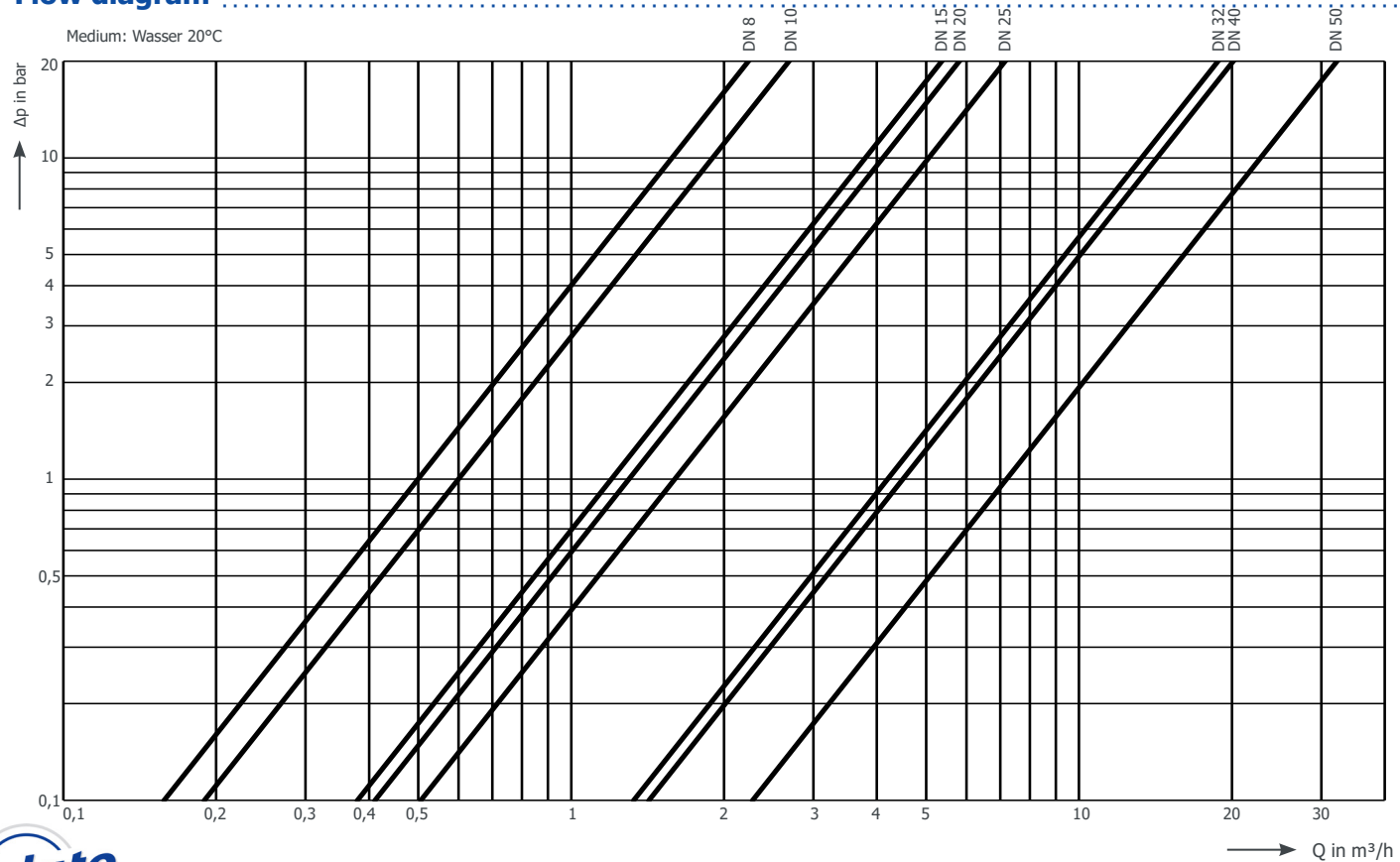
inlet pressure: 30 bar
seals: FPM

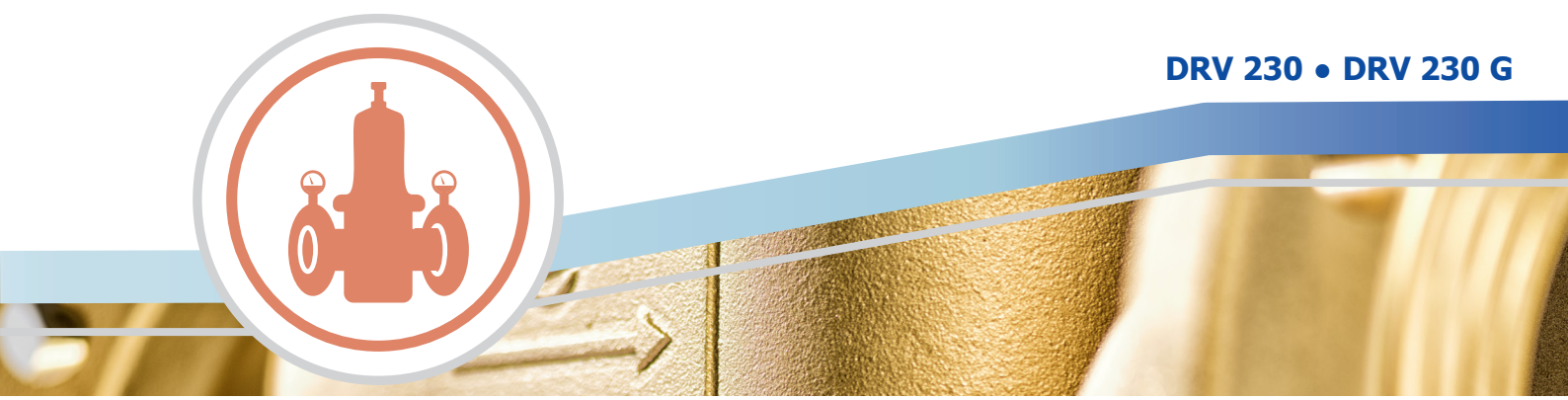
outlet pressure: 7 bar
temperature: 30 °C

connection: 2” NPT
without additional finishes

art.no. standard version						-	C	C	M	E	F
0	0	2	2	0	7	-	3	0	0	3	0

Flow diagram





DRV 230 • DRV 230 G
Type A (DN 8 - DN 25)

DRV 230 • DRV 230 G
Type B (DN 32 - DN 50)

Pressure reducing valve
Flange • Standard pressure
Red bronze

Pressure reducing valves of the series are diaphragm-controlled, spring-loaded pressure reducing valves. The series has a high setting accuracy and good response behaviour due to the low friction of the few moving internal parts.

DGRL 2014/68/EU CE

Classification societies

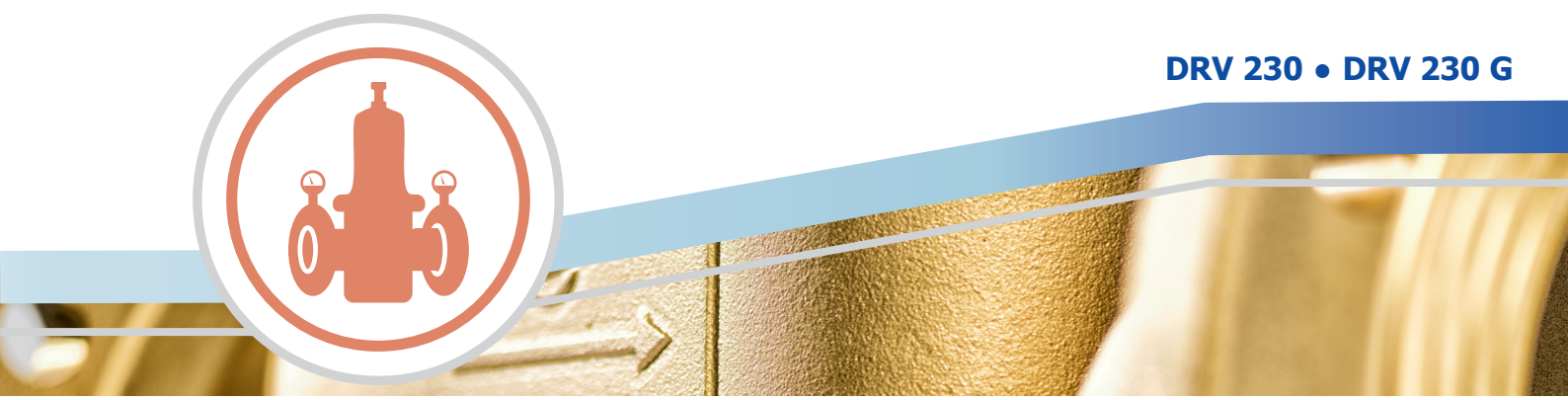
- DNV GL
- LR
- BV
- ABS
- CCS

Customs tariff number

84811099

Media

The pressure reducers are suitable for use with compressed air and neutral gases, but can also be used for water and neutral liquids when smaller flow rates are required.



Features

- non-pressure-reliefed single seated valve
- diaphragm-controlled
- continously adjustable outlet pressure
- max. inlet pressure up to 25 bar
- outlet pressure: 0,8 - 8 bar
- highest reduction ratio 10:1
- flanges acc. DN EN 10920 PN 40, optionally ANSI/JIS
- double-ended G ¼" manometer fitting (for outlet pressure)
- assembly position: any desired, preferably vertical
- minimum pressure difference (inlet/outlet pressure):1 bar

Pressures

p1 max. 25 bar

p2 0,8 - 8 bar

Connections

Flange connection
acc. to DIN EN 10920 PN 40
from DN 8 up to DN 50

Temperatures

The seals and membranes used allow temperatures up to max. 100°C.

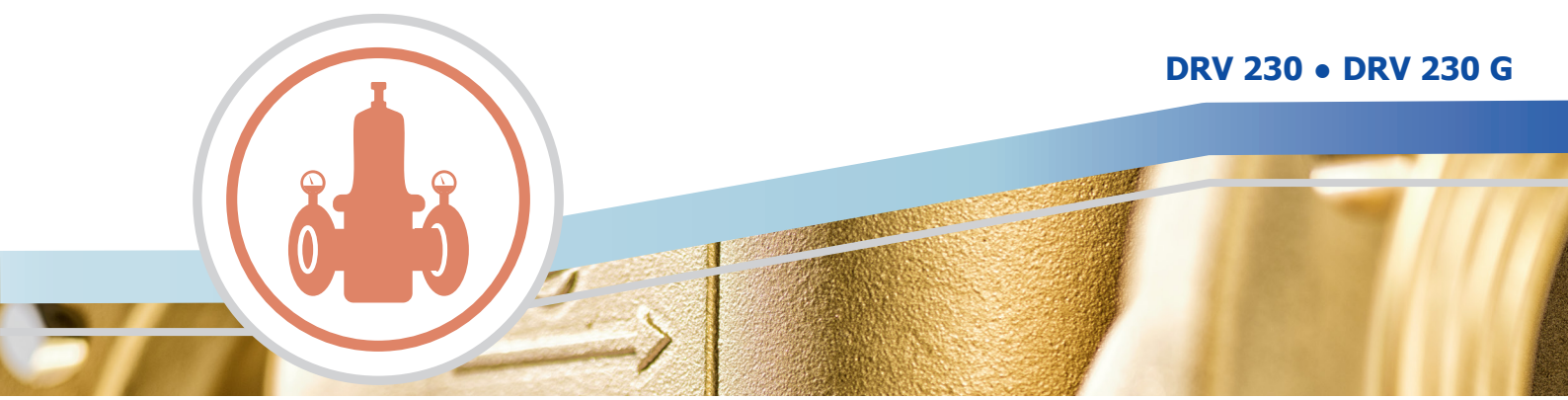
from -15 °C up to +100 °C

Seals and temperatures

NBR -15°C to +100°C

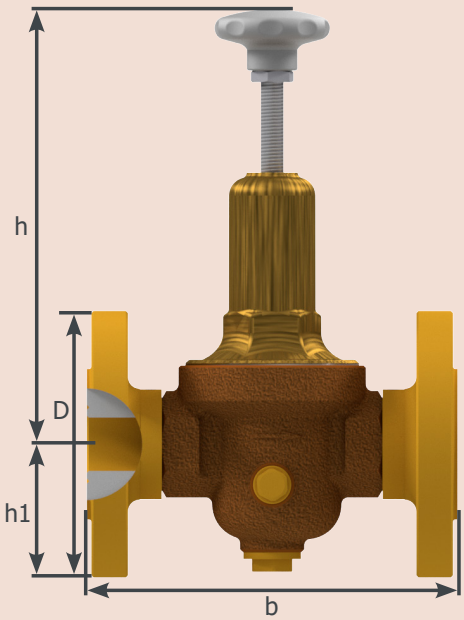
Materials

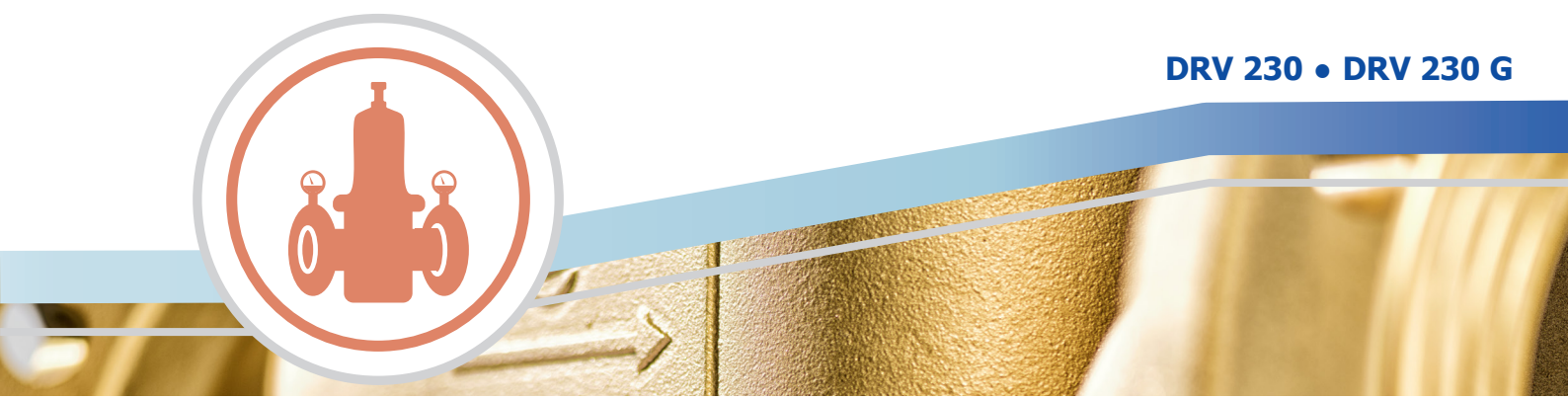
	body	spring bonnet	diaphragm	seals	wetted parts	max. temperature
standard version	red bronze CC499K	up to DN 25 brass from DN 32 cast iron	CR	NBR	brass	100 °C



Technical data

nominal size		8	10	15	20	25	32	40	50
Type				A			B		
Pressures	inlet pressure [bar]								
max. 25 bar	DRV 230			25			25		
	DRV 230 G			25			25		
	outlet pressure [bar]								
0,8 - 8 bar	DRV 230			1,5 - 8			1,5 - 8		
	DRV 230 G			0,8 - 8			0,8 - 8		
Connections	dimensions [mm]								
Flange connection from DN 8 up to DN 50	all types	D	80	90	95	105	115	140	150	165
		b	130	130	130	150	160	180	200	230
		h1	48	48	48	53	58	70	75	83
		h	118	122	143	143	186	263	262	305
	weight [kg]									
	DRV 230		1,9	1,9	2,8	3,7	4,9	8,6	9,5	14,3
	DRV 230 G		1,9	1,9	2,8	3,7	4,9	8,6	9,5	14,9
	kvs-value [m³/h]									
	all types		0,5	0,6	1,2	1,3	1,6	4,2	4,5	7,2





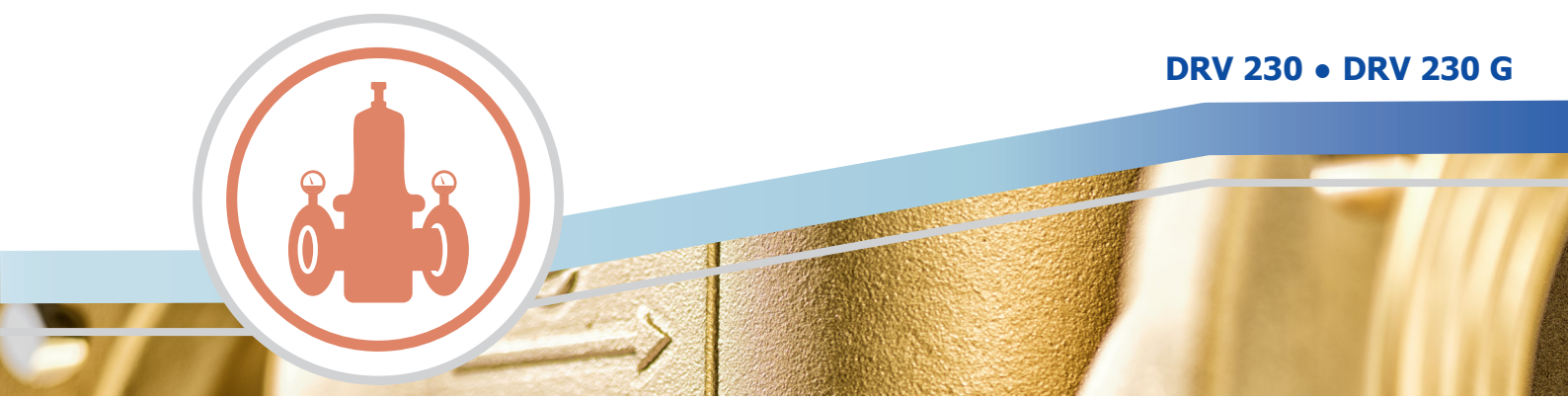
Article number

nominal size	8	10	15	20	25	32	40	50
Standardausführung								
DRV 230	023020	023021	023022	023023	023024	023025	023026	023027
DRV 230 G	023120	023121	023122	023123	023124	023125	023126	023127

Standard article numbers are 6 digits, article numbers for additional options are 11 digits. (See next page for an overview of options)

Manometer

diameter	connection	body	pressure range	max. temp.	art.no.
50 mm	G 1/4”, central back	steel	0 - 4 bar	60°C	009001
50 mm	G 1/4”, central back	steel	0 - 10 bar	60°C	009002
63 mm	G 1/4”, central back	stainless steel	0 - 10 bar	200°C	009014



Options

CC - connection		
00 -	DIN EN 10920 PN 40	standard
61 -	ANSI B 16.5 RF	

E - elastomers		
0 -	CR/ NBR	standard

M - material wetted parts		
0 -	brass	standard

F - finishes	
0 -	without additional finishes
1 -	inside + outside nickel plated
3 -	inside + outside chrome-plated
5 -	inside + outside chemically nickel-plated

Configuration example of an article number with additional options

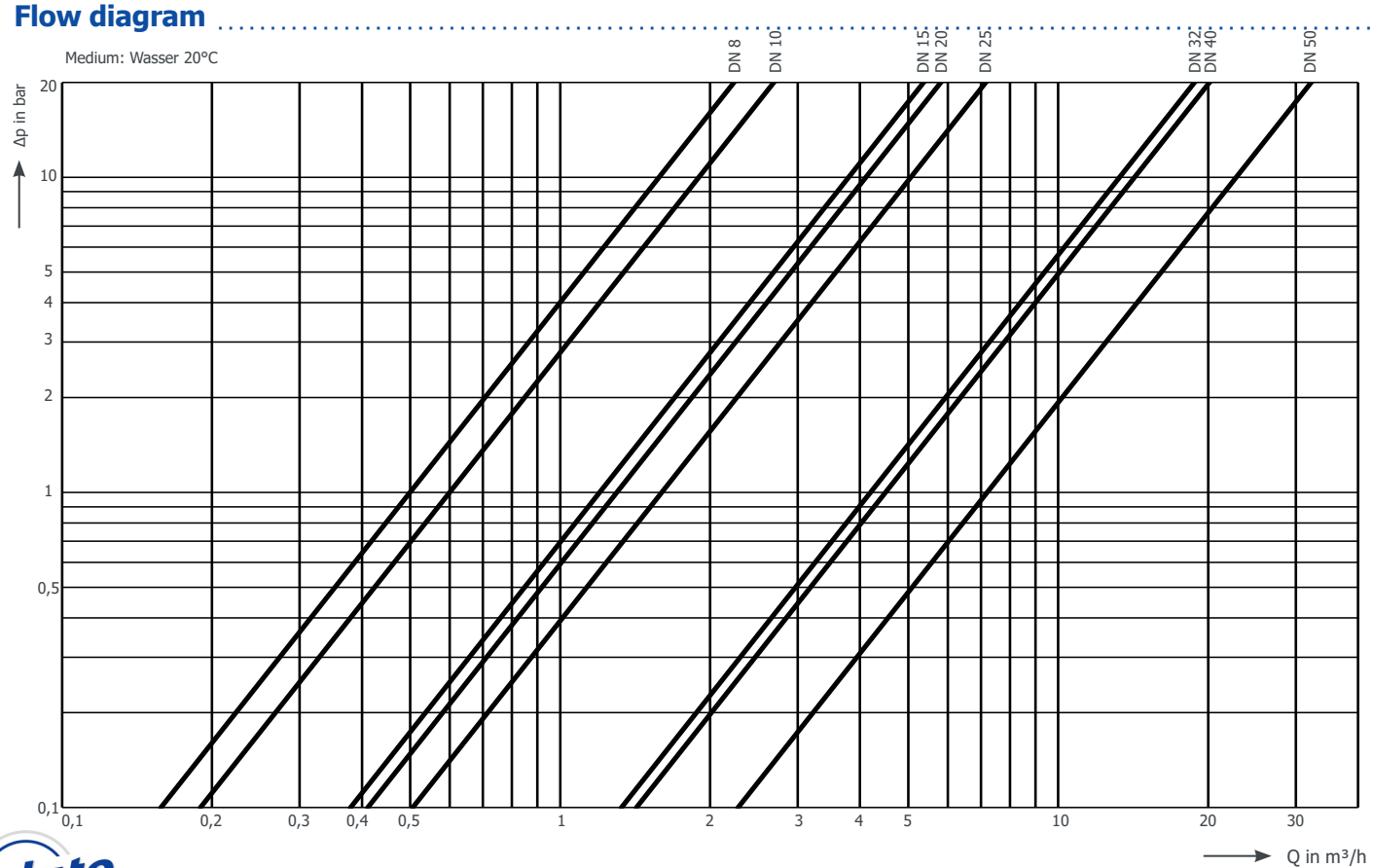
inlet pressure: 10 bar
seals: CR/ NBR

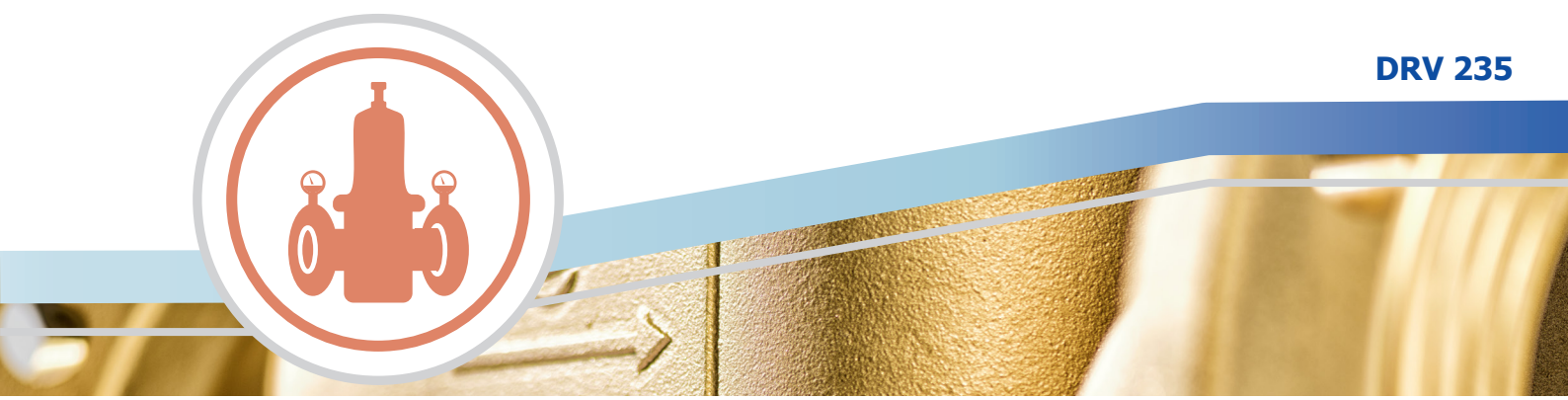
outlet pressure: 4 bar
temperature: 30 °C

connection: ANSI B 16.5 RF
without additional finishes

art.no. standard version						-	C	C	M	E	F
0	2	3	0	2	7	-	6	1	0	0	0

Flow diagram





DRV 235
Type A (DN 8 - DN 25)

DRV 235
Type B (DN 32 - DN 50)

Pressure reducing valve
Flange • High pressure
Red bronze

Pressure reducing valves of the series are piston-controlled, spring-loaded pressure reducing valves. The series has a high setting accuracy and good response behaviour due to the low friction of the few moving internal parts.

DGRL 2014/68/EU CE

Classification societies

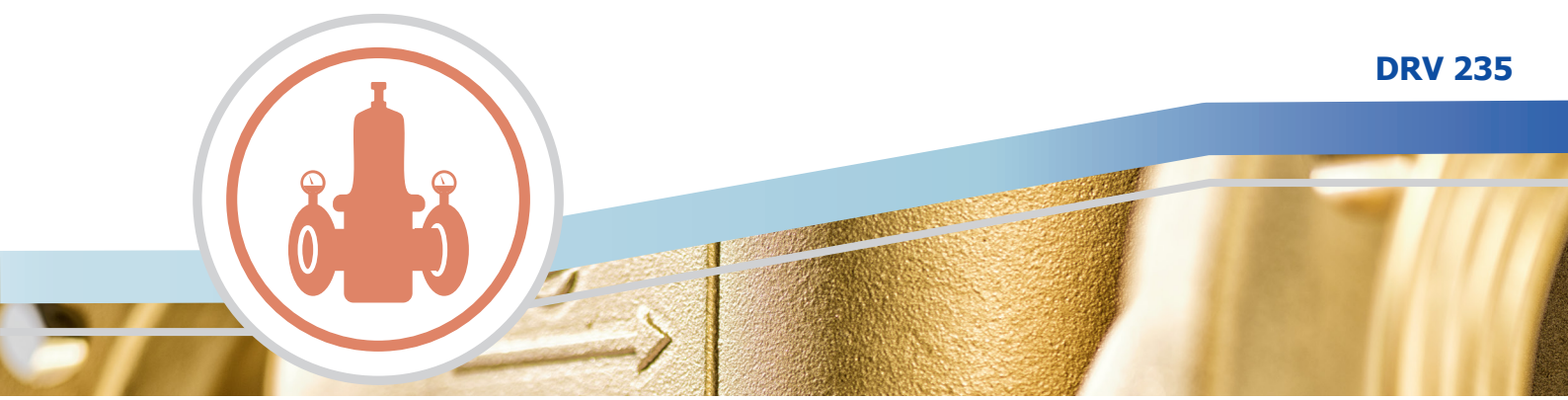
- DNV GL
- LR
- BV
- ABS
- CCS

Customs tariff number

84811099

Media

The pressure reducers are suitable for use with compressed air and neutral gases, but can also be used for water and neutral liquids when smaller flow rates are required.



Features

- non-pressure-reliefed single seated valve
- diaphragm-controlled
- continously adjustable outlet pressure
- max. inlet pressure up to 60 bar
- outlet pressure: 1,5 - 45 bar
- highest reduction ratio 6:1
- flanges acc. DIN EN 10920 PN 40, optionally ANSI/JIS
- double-ended G ¼" manometer fitting (for outlet pressure)
- assembly position: any desired, preferably vertical
- minimum pressure difference (inlet/outlet pressure):1 bar

Pressures

p1 max. 60 bar

p2 1,5 - 45 bar

Connections

Flange connection
acc. DIN EN 1092 PN 40
from DN 8 up to DN 50

Temperatures

The seals and membranes used allow temperatures up to max. 100°C.

from -15 °C up to +190 °C

Seals and temperatures

NBR	-15°C to +100°C
FPM*	-10°C to +190°C

* only DN 15 to DN 50

Special version for high temperature(-HT)

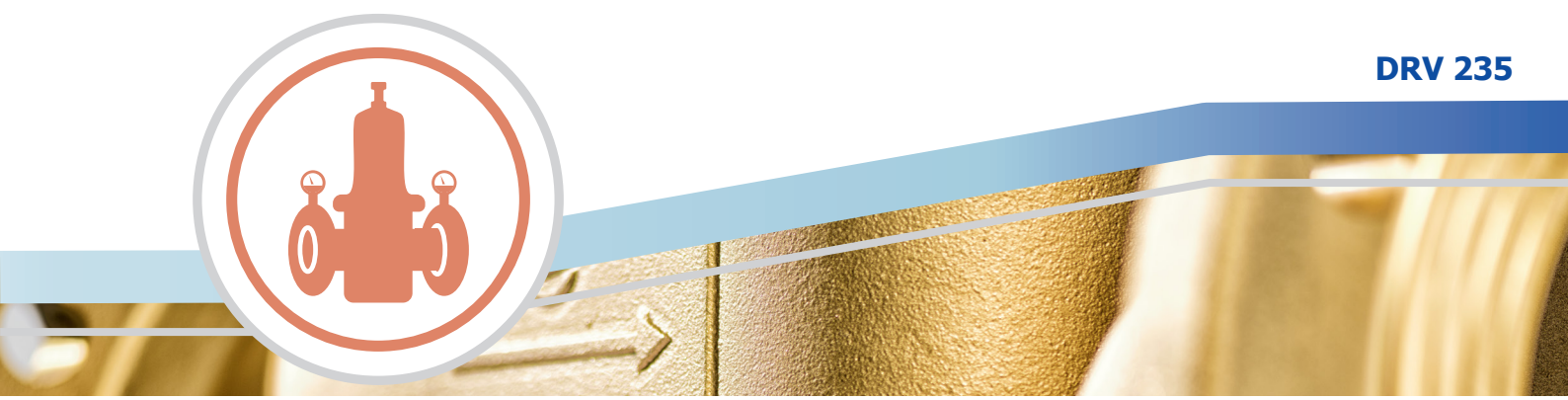
Often the temperature resistance of standard pressure reducers is not sufficient for your application. For such applications, various variants of the -HT series are available. This high temperature series is equipped with FPM seals. Thus, a maximum temperature resistance of 190°C is achieved with FPM seals in combination with metallic internal parts.

Please note that these pressure reducers are not suitable for use with steam.

Materials

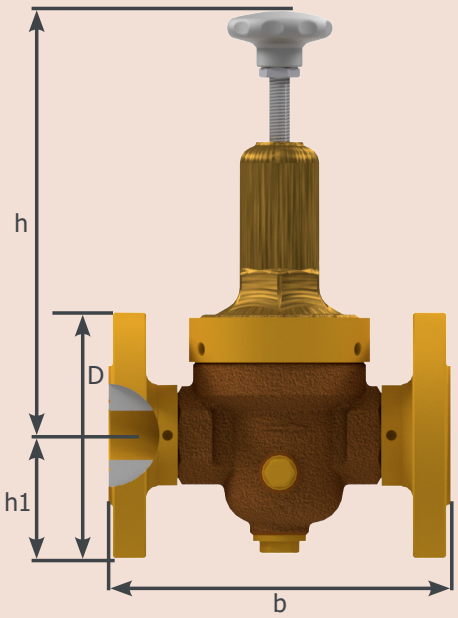
	body	spring bonnet	seals	wetted parts	max. temperature
standard version	red bronze CC499K	up to DN 25 brass* from DN 32 cast iron	NBR	brass	100 °C
Special versions:					
high temperature (-HT)*	red bronze CC499K	up to DN 25 brass from DN 32 cast iron	FPM	brass	190 °C*

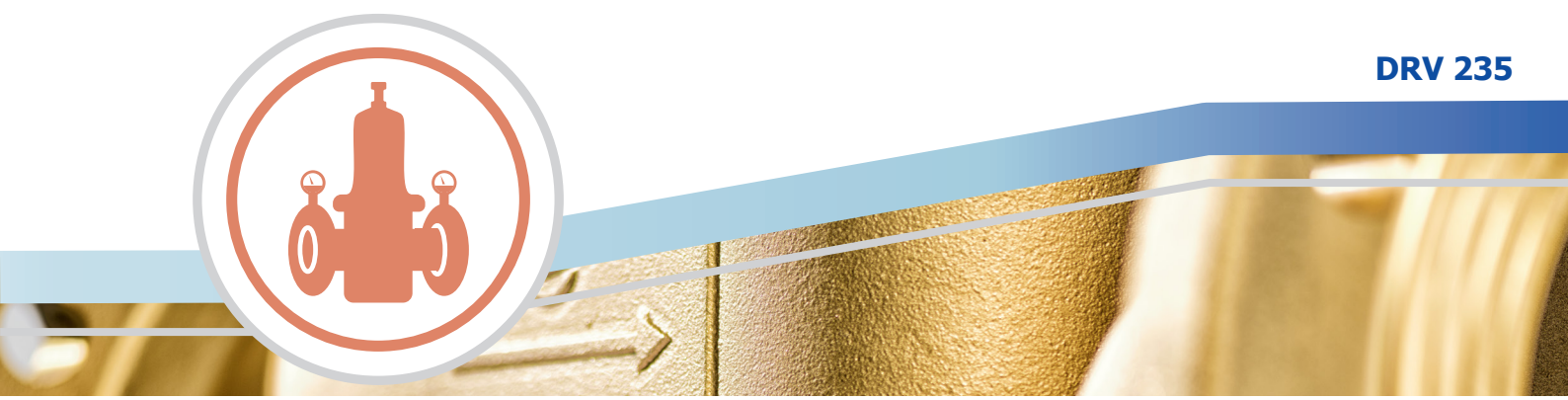
*only DN 15 to DN 50



Technical data

nominal size		8	10	15	20	25	32	40	50
Type				A				B	
Pressures	inlet pressure [bar]								
max. 40 bar	DRV 235			40				40	
	outlet pressure [bar]								
1,5 - 20 bar	DRV 235			1,5 - 20				1,5 - 20	
Connections	dimensions [mm]								
Flange connection from DN 8 up to DN 50	DRV 235	D	80	90	95	105	115	140	150	165
		b	130	130	130	150	160	180	200	230
		h1	48	48	48	53	56	70	75	83
		h	147	147	181	181	201	302	332	329
	weight [kg]								
	DRV 235		1,2	1,2	3,5	4,4	5,8	10,9	12,1	17,5
	kvs-value [m³/h]								
	DRV 235		0,5	0,6	1,2	1,3	1,6	4,2	4,5	7,2





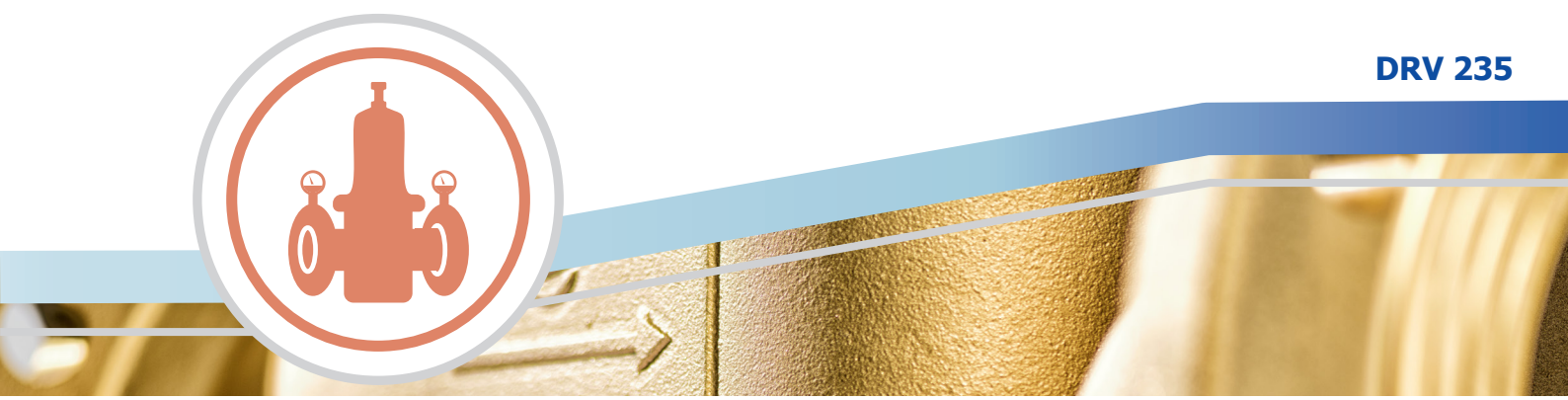
Article number

nominal size	8	10	15	20	25	32	40	50
standard version								
DRV 235	023520	023521	023522	023523	023524	023525	023526	023527
special version								
high temperature -HT	--	--	art.no. Standard + -00030			art.no. Standard + -00030		

Standard article numbers are 6 digits, article numbers for additional options are 11 digits. (See next page for an overview of options)

Manometer

diameter	connection	body	pressure range	max. temp.	art.no.
50 mm	G 1/4”, central back	steel	0 - 4 bar	60°C	009001
50 mm	G 1/4”, central back	steel	0 - 10 bar	60°C	009002
63 mm	G 1/4”, central back	stainless steel	0 - 10 bar	200°C	009014



Options

CC - connection		
00 -	DIN EN 10920 PN 40	standard
61 -	ANSI B 16.5 RF	

E - elastomers		
0 -	NBR	Standard
3 -	FPM	nur DN 15 bis DN 50

M - material wetted parts		
0 -	brass	standard

F - finishes	
0 -	without additional finishes
1 -	inside + outside nickel plated
3 -	inside + outside chrome-plated
5 -	inside + outside chemically nickel-plated

Configuration example of an article number with additional options

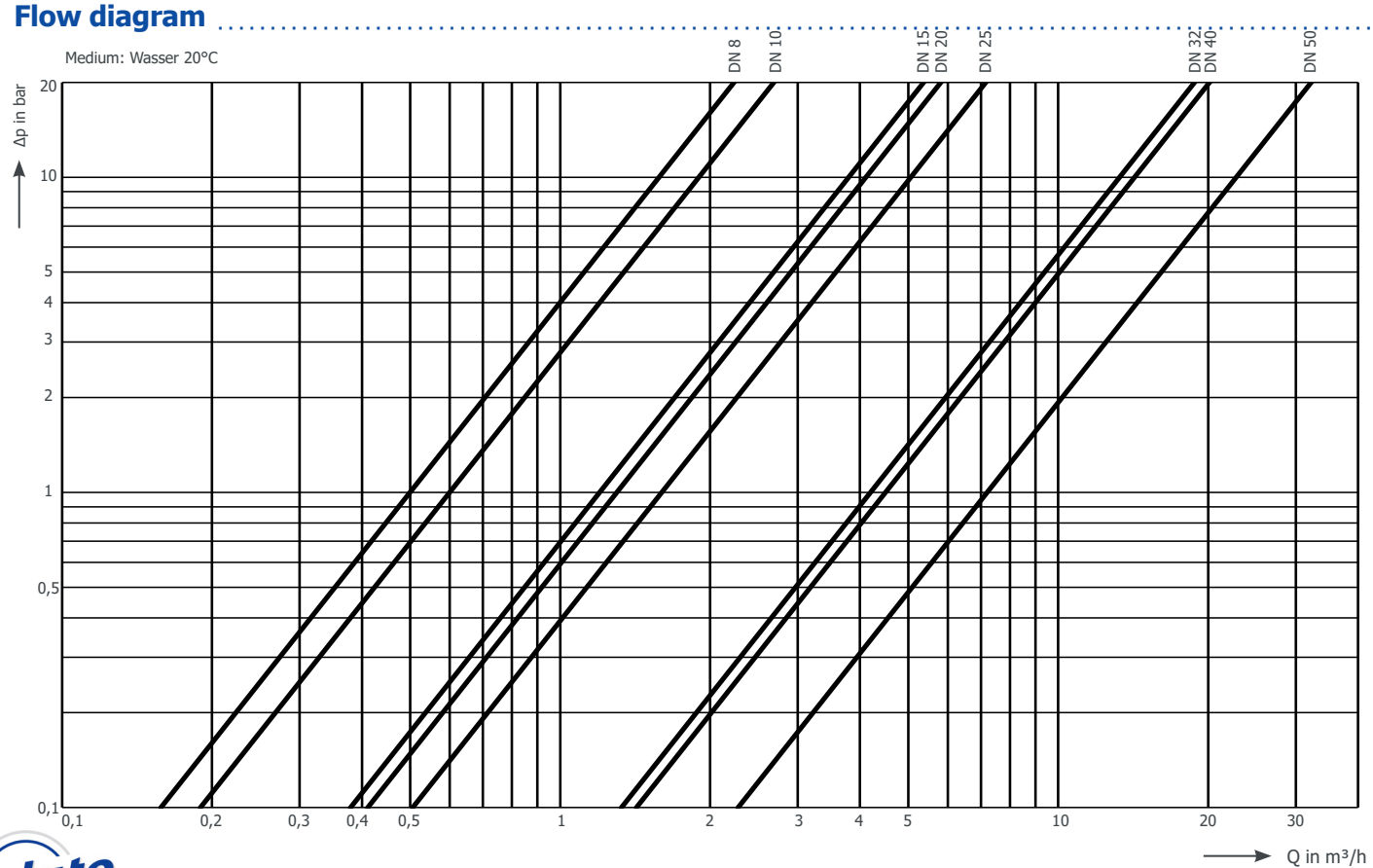
inlet pressure: 30 bar
seals: FPM

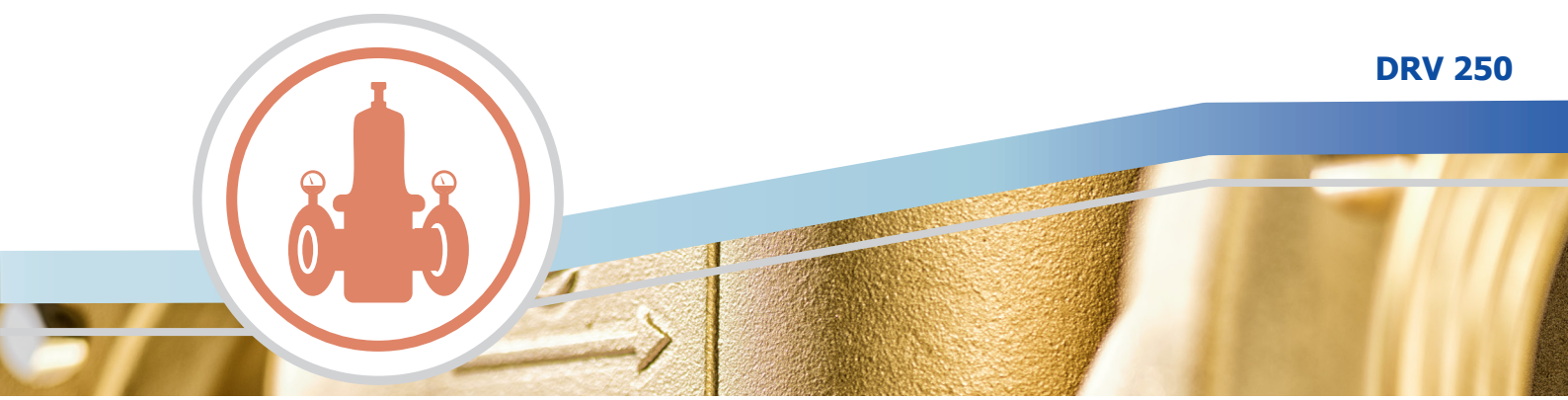
outlet pressure: 7 bar
temperature: 30 °C

connection: DN 50 ANSI B 16.5
without additional finishes

art.no. standard version						-	C	C	M	E	F
0	2	3	5	2	7	-	6	1	0	3	0

Flow diagram





DRV 250
Type A (DN 8 - DN 25)

DRV 250
Type B (DN 32 - DN 50)

Pressure reducing valve
Female thread • Low pressure
Red bronze

Pressure reducing valves of the series are diaphragm-controlled, spring-loaded pressure reducing valves. The series has a high setting accuracy and good response behaviour due to the low friction of the few moving internal parts.

DGRL 2014/68/EU CE

Classification societies

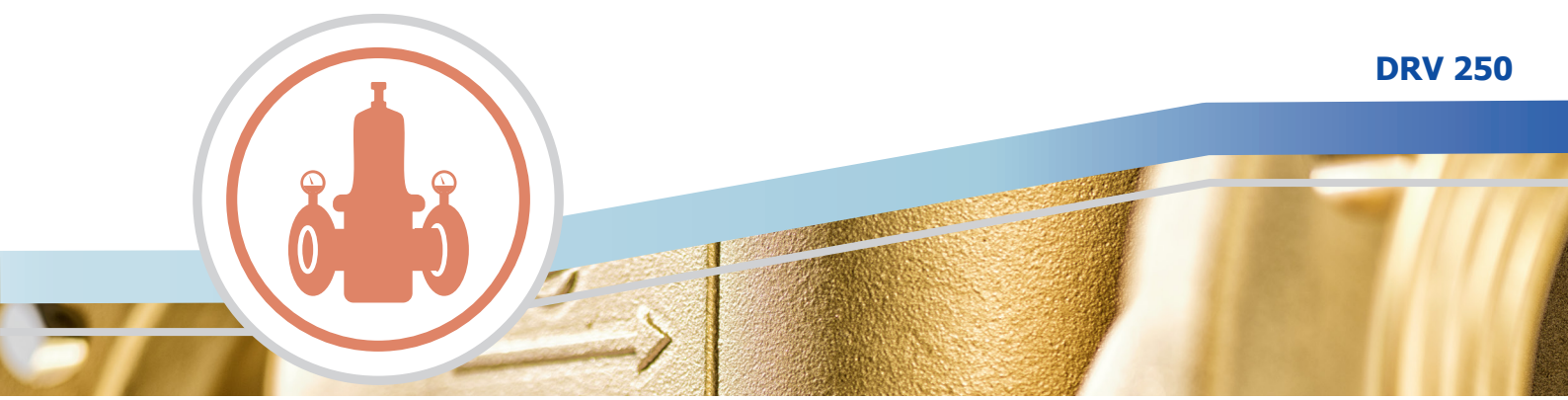
- DNV GL
- LR
- BV
- ABS
- CCS

Customs tariff number

84811099

Media

The pressure reducers are suitable for use with compressed air and neutral gases, but can also be used for water and neutral liquids when smaller flow rates are required.



Features

- non-pressure-reliefed single seated valve
- diaphragm-controlled
- continously adjustable outlet pressure
- max. inlet pressure up to 25 bar
- outlet pressure: 0,2 - 2 bar
- highest reduction ratio 20:1
- female thread acc. ISO 228, optionally with NPT-thread
- double-ended G ¼" manometer fitting (for outlet pressure)
- assembly position: any desired, preferably vertical
- minimum pressure difference (inlet/outlet pressure):1 bar

Pressures

p1 max. 25 bar

p2 0,2 - 2 bar

Connections

Female thread
acc. ISO 228
from G 1/4" to G 2"

Temperaturen

Die eingesetzten Dichtungen und Membrane erlauben Temperaturen bis zu max. 100°C.

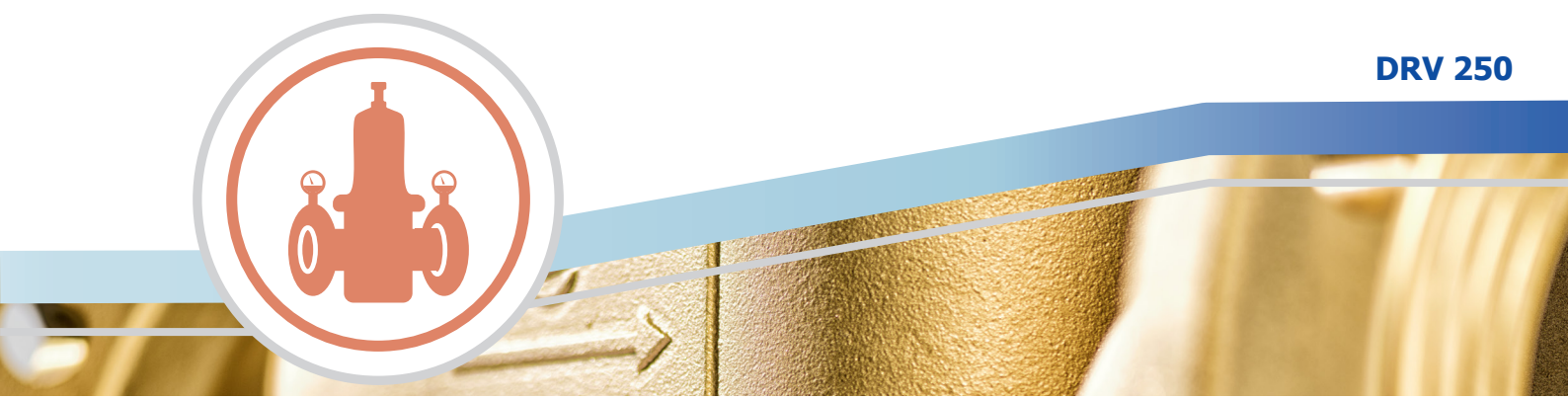
von -15 °C bis +100 °C

Dichtungen und Temperatur

NBR -15°C bis +100°C

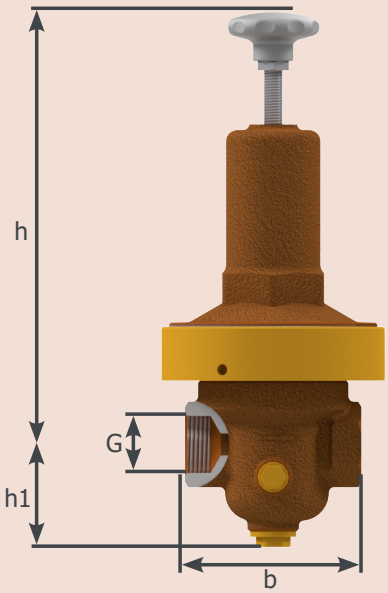
Materials

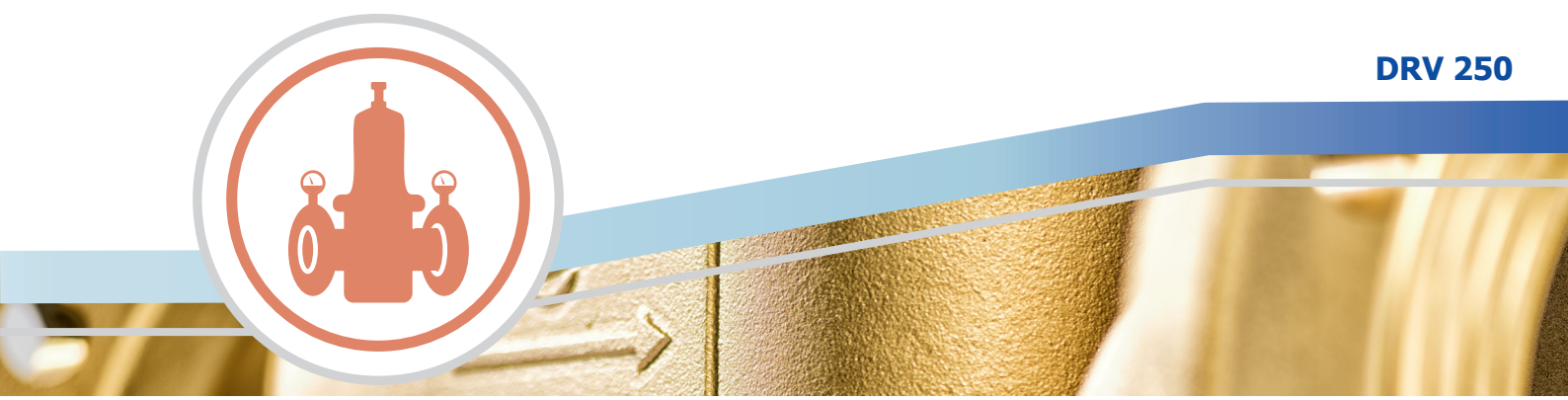
	body	spring bonnet	diaphragm	seals	wetted parts	max. temperature
standard version	red bronze CC499K	up to DN 25 brass from DN 32 cast iron	CR	NBR	brass	100 °C



Technical data

nominal size	8	10	15	20	25	32	40	50
G	1/4“	3/8“	1/2”	3/4”	1”	1 1/4”	1 1/2”	2”
Type			A			B		
Pressures	inlet pressure [bar]							
max. 25 bar	DRV 250		25			25		
	outlet pressure [bar]							
0,2 - 2 bar	DRV 250		0,2 - 2			0,2 - 2		
Connections	dimensions [mm]							
Female thread from G 1/4“ up to G 2“	DRV 250	G	1/4”	3/8”	1/2”	3/4”	1”	1 1/4”	1 1/2”	2”
		b	70	70	85	85	95	104	108	147
		h1	47	47	47	47	56	61	61	72
		h	140	140	186	206	234	268	268	308
	weight [kg]									
	DRV 250		1,0	1,0	2,5	2,5	4,2	7,7	7,7	14,2
	kvs-value [m³/h]									
	DRV 250		0,5	0,6	1,2	1,3	1,6	4,2	4,5	7,2





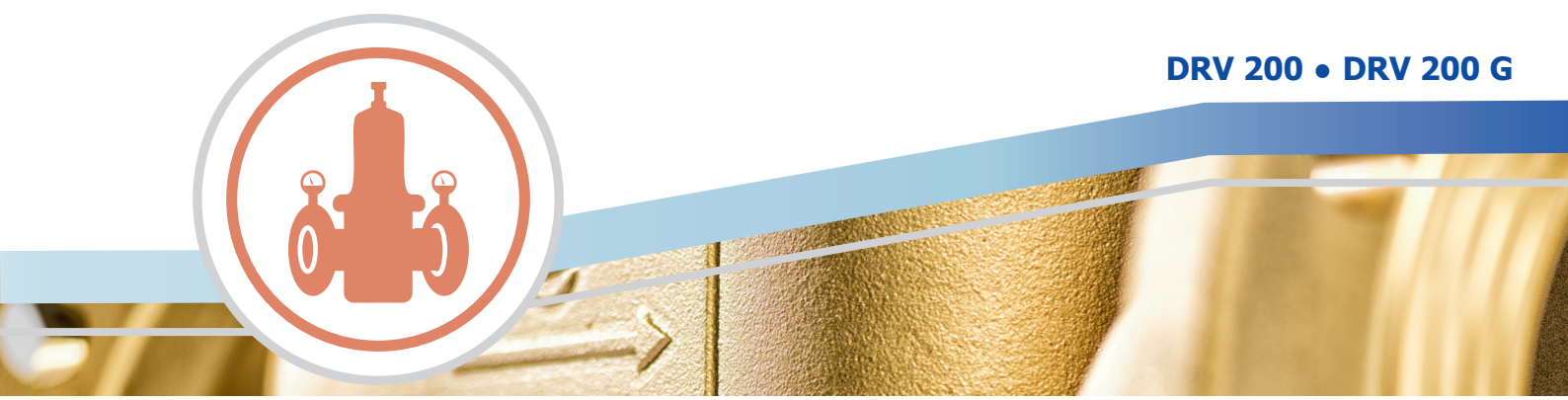
Article number

nominal size	8	10	15	20	25	32	40	50
G	1/4”	3/8”	1/2”	3/4“	1“	1 1/4”	1 1/2”	2”
standard version								
DRV 250	002500	002501	002502	002503	002504	002505	002506	002507

Standard article numbers are 6 digits, article numbers for additional options are 11 digits. (See next page for an overview of options)

Manometer

diameter	connection	body	pressure range	max. temp.	art.no.
50 mm	G 1/4”, central back	steel	0 - 4 bar	60°C	009001
50 mm	G 1/4”, central back	steel	0 - 10 bar	60°C	009002
63 mm	G 1/4”, central back	stainless steel	0 - 10 bar	200°C	009014



Options

CC - connection		
00 -	ISO 228	standard
30 -	NPT - ASME B1.20.1	

E - elastomers		
0 -	CR/ NBR	Standard

M - material wetted parts		
0 -	brass	standard

F - finishes	
0 -	without additional finishes
1 -	inside + outside nickel plated
3 -	inside + outside chrome-plated
5 -	inside + outside chemically nickel-plated

Configuration example of an article number with additional options

inlet pressure: 6 bar
seals: NBR

outlet pressure: 0,8 bar
temperature: 30 °C

connection: 2” NPT
without additional finishes

art.no. standard version						-	C	C	M	E	F
0	0	2	5	0	7	-	3	0	0	0	0

Flow diagram