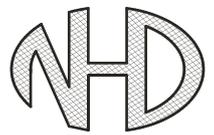


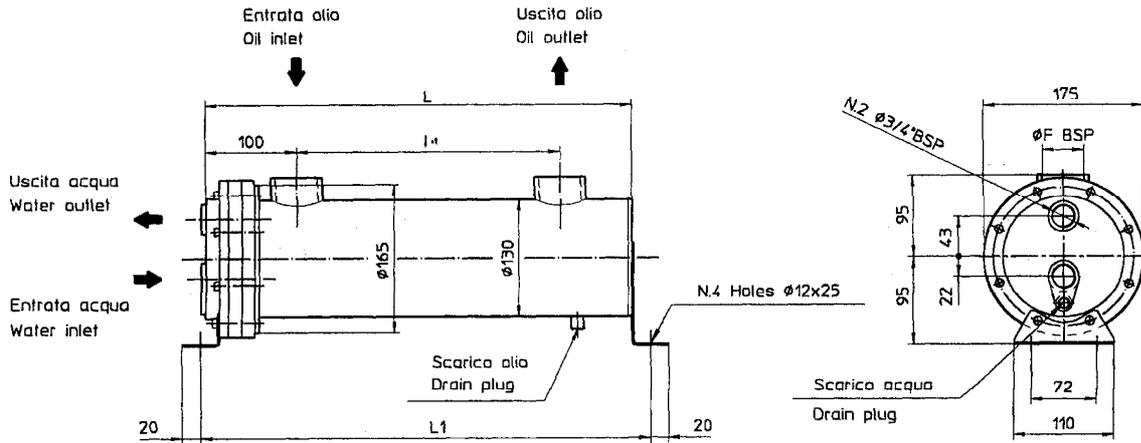
# Öl - Wasser - Kühler Serie MGW 130

## Water-oil heat exchangers series MGW 130



NHD Hydraulik GmbH

Regelbarer Ölkreislauf Controllable oil circuit



Abmessungen und technische Angaben sind nicht verbindlich Over-all dimension and technical characteristics are not binding.

TIPO TYPE	TUBI TUBES	PIASTRA TUBIERA TUBES SHEET	DEFLETTORI BAFFLES	FONDI COVERS	MANTELLO SHELL	GUARNIZIONI SEALS
STANDARD	CuDHP	Fe37	CuZn37	CuZn40	Fe510.2	OR 4512

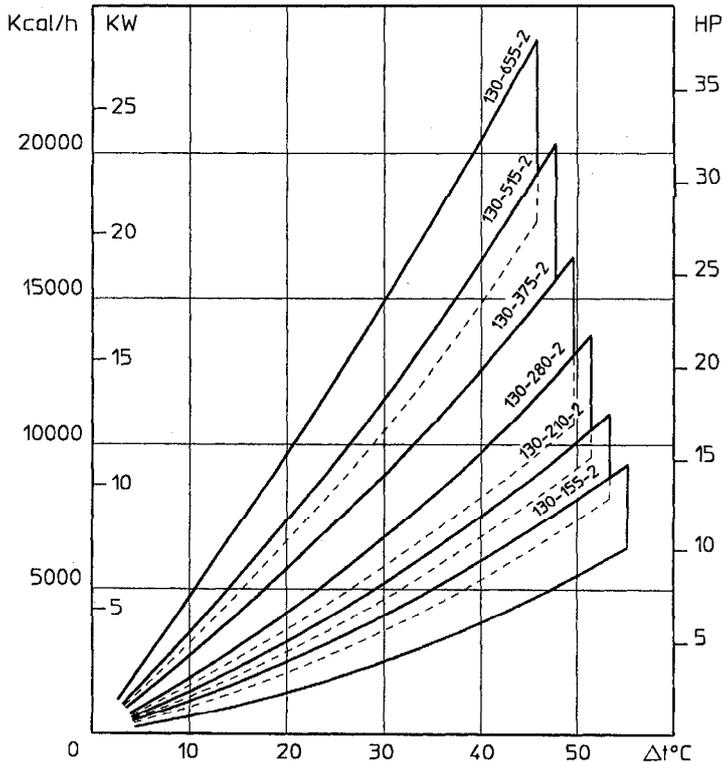
TIPO TYPE	PORTATA OLIO OIL FLOW (l/min)	HP DISPERSI CON OLIO HP DISSIPATED WITH OIL -55°C H2O-20°C	CAPACITA' CONTENTS (l)	Kg	Dimensioni - Over all dimension			
					2 Pass			
					$\phi F$	L	L1	L
MGW 130-155-2	30-150	5-8	2.3	15	1 1/2"	155	313	369
MGW 130-210-2	50-180	7-10	2.7	15.5	1 1/2"	210	368	423
MGW 130-280-2	60-180	9-13	3.2	16	1 1/2"	280	438	493
MGW 130-375-2	60-200	11-17	4.1	19	1 1/2"	375	533	589
MGW 130-515-2	90-200	17-22	5.2	22	1 1/2"	515	673	729
MGW 130-655-2	90-220	20-28	6.4	26	1 1/2"	655	813	869

### Leistungsdiagramm

bei min. und max. Durchfluß tabel. dargestellt

#### PERFORMANCE DIAGRAM

At the maximum and minimum flow stated in schedule



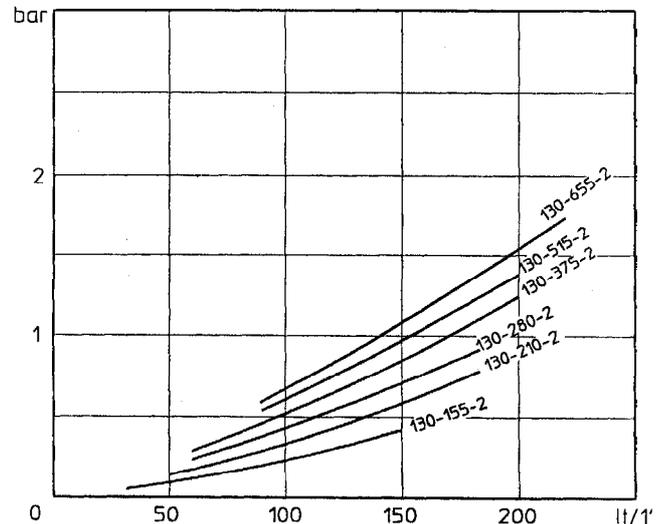
### Korrektur Faktor (F) - Druckverlust

#### CORRECTION FACTOR (F)-PRESSURE DROP

CST	10	15	20	30	40	50	60	80	100	200	300
F	0.5	0.65	0.77	1	1.2	1.4	1.6	1.9	2.1	3.3	4.3

### Druckverlust (32 cest)

#### PRESSURE DROP (32 cst)

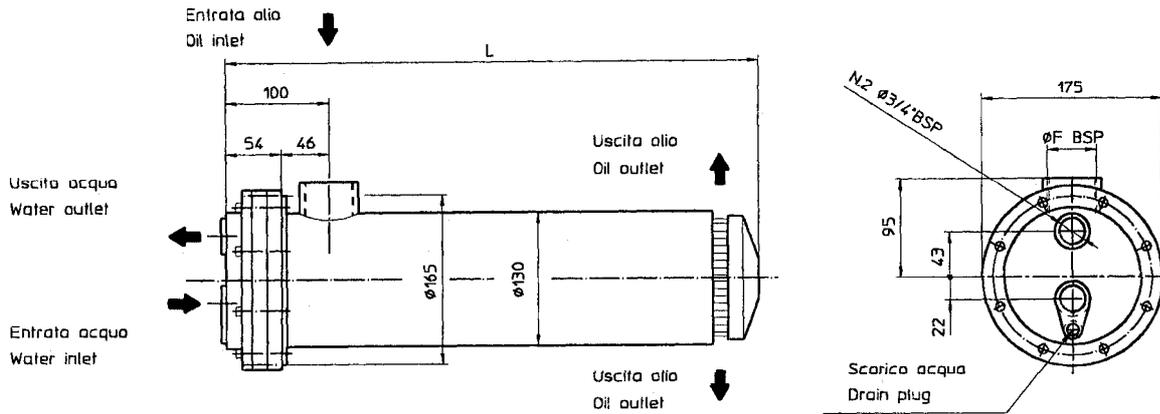


# Öl - Wasser - Kühler Serie MGW 135 Water-oil heat exchangers series MGW 135



NHD Hydraulik GmbH

Regelbarer Ölkreislauf Controllable oil circuit



Abmessungen und technische Angaben sind nicht verbindlich Over-all dimension and technical characteristics are not binding.

TIPO TYPE	TUBI TUBES	PIASTRA TUBIERA TUBES SHEET	DEFLETTORI BAFFLES	FONDI COVERS	MANTELLLO SHELL	GUARNIZIONI SEALS
STANDARD	CuDHP	Fe37	CuZn37	CuZn40	Fe510.2	OR 4512

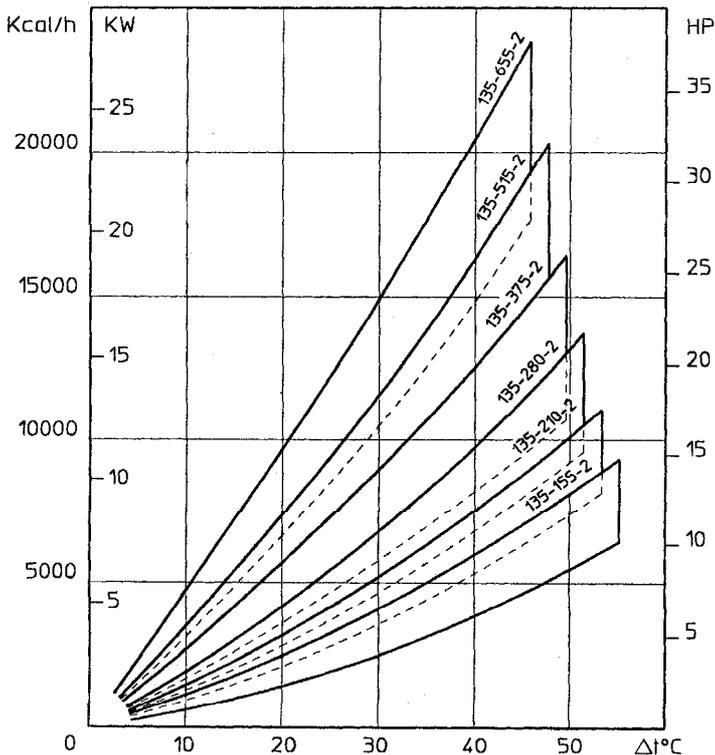
TIPO TYPE	PORTATA OLIO OIL FLOW (l/min)	HP DISPERSI CON OLIO HP DISSIPATED WITH OIL -55°C H2O-20°C	CAPACITA' CONTENTS (l)	Kg	Dimensioni - Over all dimension	
					2 Pass	
					ØF	L
MGW 135-155-2	30-150	5-8	2.3	15	1 1/2"	318
MGW 135-210-2	50-180	7-10	2.7	15.5	1 1/2"	373
MGW 135-280-2	60-180	9-13	3.2	16	1 1/2"	443
MGW 135-375-2	60-200	11-17	4.1	19	1 1/2"	538
MGW 135-515-2	90-200	17-22	5.2	22	1 1/2"	678
MGW 135-655-2	90-220	20-28	6.4	26	1 1/2"	818

## Leistungsdiagramm

bei min. und max. Durchfluß tabel. dargestellt

### PERFORMANCE DIAGRAM

At the maximum and minimum flow stated in schedule



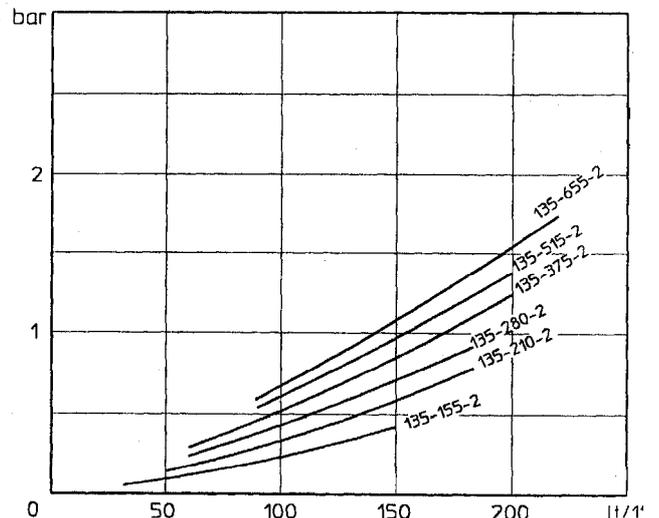
## Korrektur Faktor (F) - Druckverlust

### CORRECTION FACTOR (F)-PRESSURE DROP

CST	10	15	20	30	40	50	60	80	100	200	300
F	0.5	0.65	0.77	1	1.2	1.4	1.6	1.9	2.1	3.3	4.3

## Druckverlust (32 cest)

### PRESSURE DROP (32 cst)



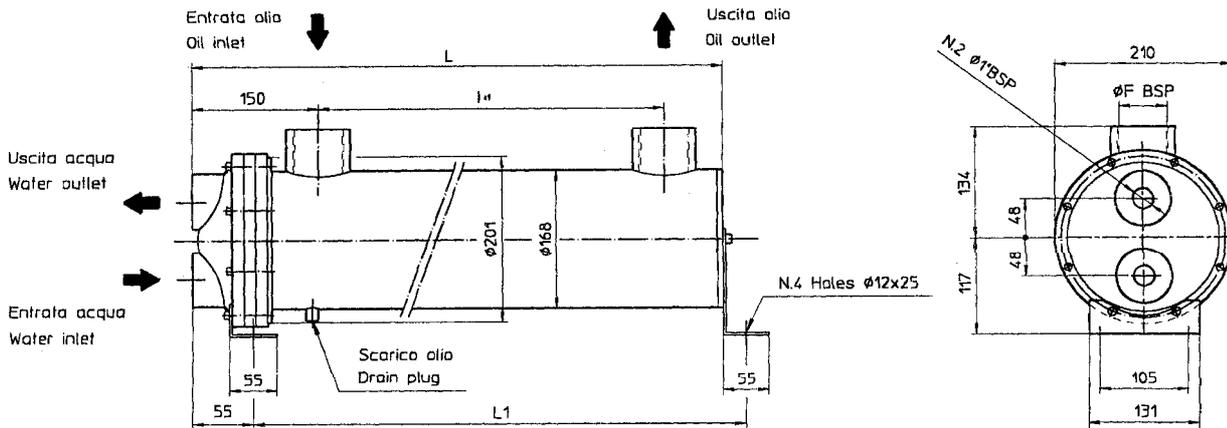
# Öl - Wasser - Kühler Serie MGW 168

## Water-oil heat exchangers series MGW 168



NHD Hydraulik GmbH

Regelbarer Ölkreislauf .Controllable oil circuit



Abmessungen und technische Angaben sind nicht verbindlich Over-all dimension and technical characteristics are not binding.

TIPO TYPE	TUBI TUBES	PIASTRA TUBIERA TUBES SHEET	DEFLETTORI BAFFLES	FONDI COVERS	MANTELLLO SHELL	GUARNIZIONI SEALS
STANDARD	Cu/DHP	Fe37	CuZn37	CuZn40	Fe510.2	Rubber-cork

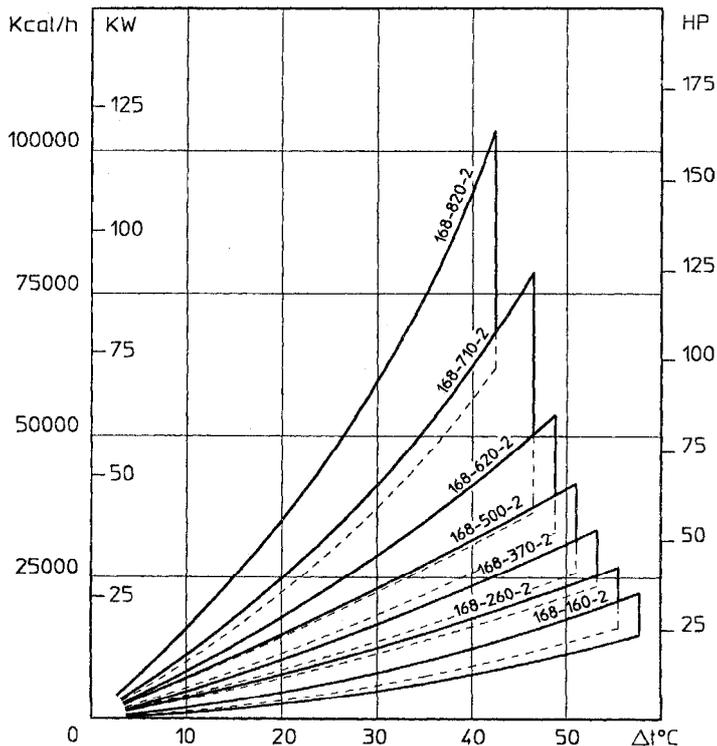
TIPO TYPE	PORTATA OLIO OIL FLOW (l/min)	HP DISPERSI CON OLIO HP DISSIPATED WITH OIL -55°C H2O-20°C	CAPACITA' CONTENTS (l)	Kg	Dimensioni - Over all dimension			
					2 Pass			
					$\phi F$	l	L	L1
MGW 168-160-2	90-180	10-16	4.3	18	2"	160	395	355
MGW 168-260-2	100-180	12-24	5.8	23	2"	260	495	455
MGW 168-370-2	200-350	22-32	7.6	28	2"	370	605	565
MGW 168-500-2	210-380	26-43	9.7	36	2"	500	735	695
MGW 168-620-2	230-400	35-55	11.5	39	2"	620	855	815
MGW 168-710-2	260-450	42-81	12.9	43	2"	710	945	905
MGW 168-820-2	320-550	73-120	14.6	47	2"	820	1055	1015

### Leistungsdiagramm

bei min. und max. Durchfluß tabel. dargestellt

#### PERFORMANCE DIAGRAM

At the maximum and minimum flow stated in schedule



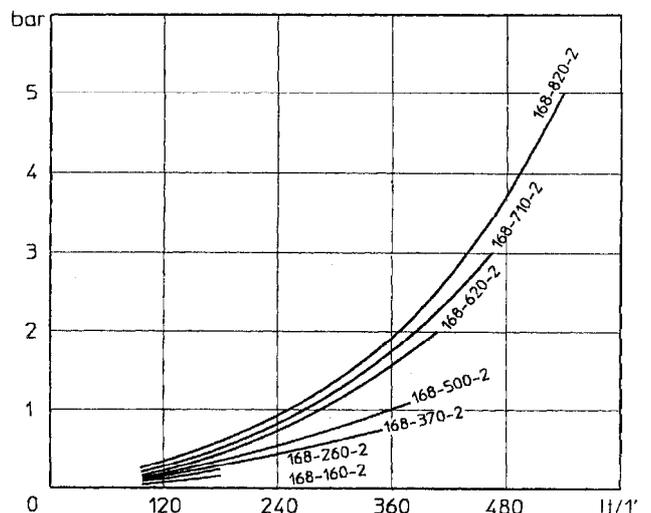
### Korrektur Faktor (F) - Druckverlust

#### CORRECTION FACTOR (F)-PRESSURE DROP

CST	10	15	20	30	40	50	60	80	100	200	300
F	0.5	0.65	0.77	1	1.2	1.4	1.6	1.9	2.1	3.3	4.3

### Druckverlust (32 cest)

#### PRESSURE DROP (32 cst)



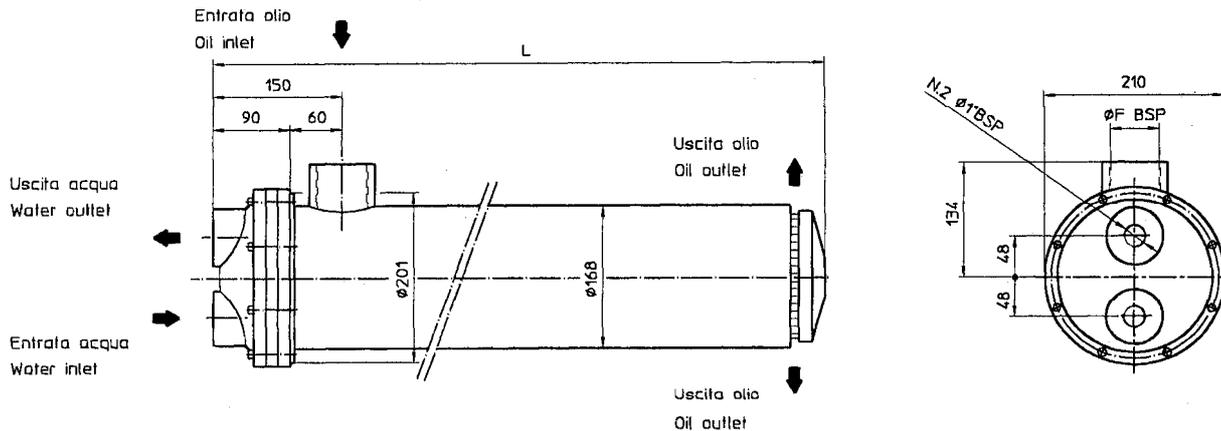
# Öl - Wasser - Kühler Serie MGW 170

## Water-oil heat exchangers series MGW 170



NHD Hydraulik GmbH

Ein - Weg Wasserkreislauf. Controllable oil circuit



Abmessungen und technische Angaben sind nicht verbindlich Over-all dimension and technical characteristics are not binding.

TIPO TYPE	TUBI TUBES	PIASTRA TUBIERA TUBES SHEET	DEFLETTORI BAFFLES	FONDI COVERS	MANTELLLO SHELL	GUARNIZIONI SEALS
STANDARD	CuDHP	Fe37	CuZn37	CuZn40	Fe510.2	Rubber-cork

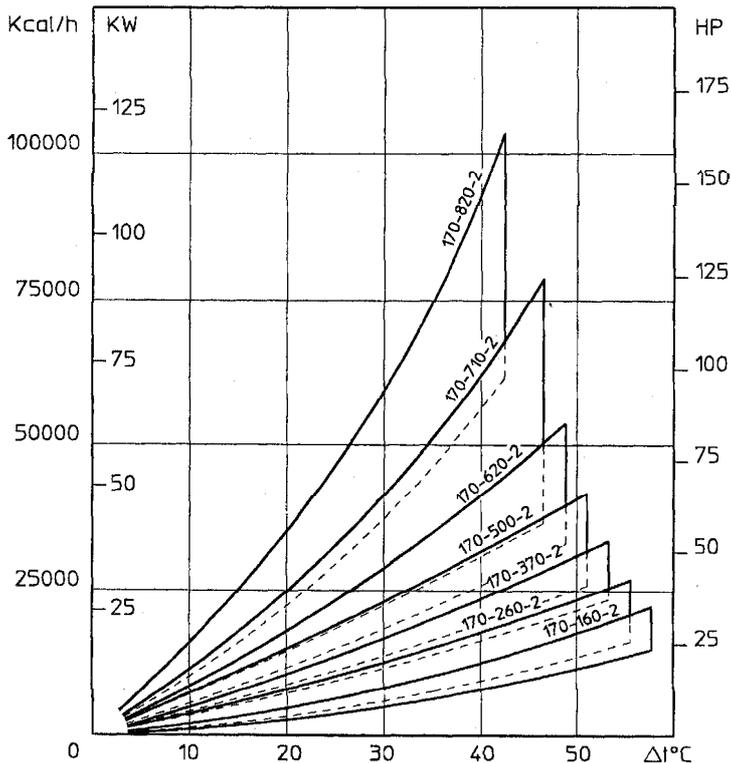
TIPO TYPE	PORTATA OLIO OIL FLOW (l/min)	HP DISPERSI CON OLIO HP DISSIPATED WITH OIL -55°C H <sub>2</sub> O-20°C	CAPACITA' CONTENTS (l)	Kg	Dimensioni - Over all dimension	
					2 Pass	
					ØF	L
MGW 170-160-2	90-180	10-12	4.3	18	2'	371
MGW 170-260-2	100-180	12-18	5.8	23	2'	471
MGW 170-370-2	200-350	22-26	7.6	28	2'	581
MGW 170-500-2	210-380	26-33	9.7	36	2'	711
MGW 170-620-2	230-400	35-44	11.5	39	2'	831
MGW 170-710-2	260-450	42-100	12.9	43	2'	921
MGW 170-820-2	320-550	100-150	14.6	47	2'	1031

### Leistungsdiagramm

bei min. und max. Durchfluß tabel. dargestellt

#### PERFORMANCE DIAGRAM

At the maximum and minimum flow stated in schedule



### Korrektur Faktor (F) - Druckverlust

#### CORRECTION FACTOR (F)-PRESSURE DROP

CST	10	15	20	30	40	50	60	80	100	200	300
F	0.5	0.65	0.77	1	1.2	1.4	1.6	1.9	2.1	3.3	4.3

### Druckverlust (32 cest)

#### PRESSURE DROP (32 cst)

