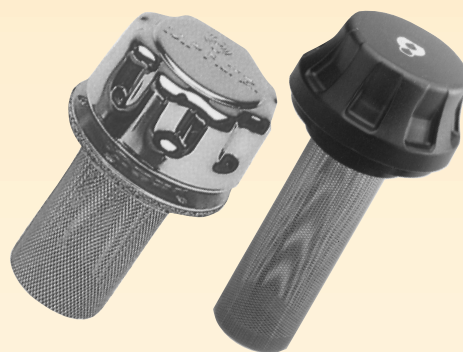


Reservoir Accessories

Filler Breathers & Air Filters

- ◆ TA - TAP Series
- ◆ SA - SAP Series
- ◆ SCS Series

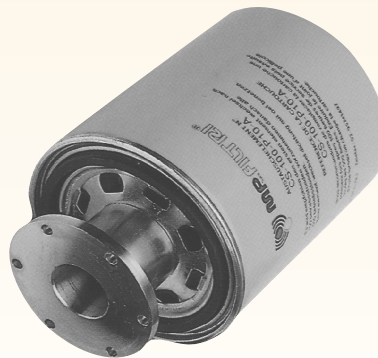
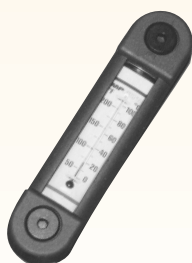


Level Indicators

- ◆ LVA Series



Tank End Covers Suction Flanges Return Flanges



MP FILTRI (CANADA) INC.

Filler Breathers - Air Filters TA Series



Description

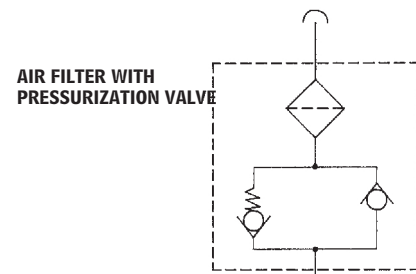
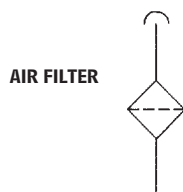
- ◆ Effective filtration of air entering the reservoir is a critical step in the process of controlling contamination in the hydraulic system.
- ◆ Flange mounted filler breather with a pre-filtering basket: All metal construction with heavy chrome plating for applications where high impact resistance is important.
- ◆ Thread mounted breather without prefiltering basket: All metal construction.
- ◆ Available with three options:
 1. Pressurized: for applications where the environment is heavily contaminated and a light pressurization of the reservoir is desirable. Settings available are 5 and 10 PSI. The design incorporates a unique zero leak valve.
 2. Lockable: for applications where more control over access to the hydraulic system is required.
 3. Pressurized and lockable.

Technical Data

- ◆ Materials:

Housing:	Chrome plated steel
Basket:	Zinc plated steel
Connection to tank:	Zinc plated steel
Screws & lock nuts:	Zinc plated steel
Gasket:	Cork or Rubber (Buna-N)
Filter media:	3 Micron: Impregnated paper 10 Micron: Polyurethane
- ◆ Working Temperature: -30°C to +100°C
- ◆ Compatibility With Fluids: Mineral based oils and synthetic fluids. For fluids other than those mentioned, please consult our sales department.
(It is important to verify the compatibility of materials with the fluid in the reservoir, even if not in direct contact).

- ◆ Symbols:



TA 46 Series

Technical Data

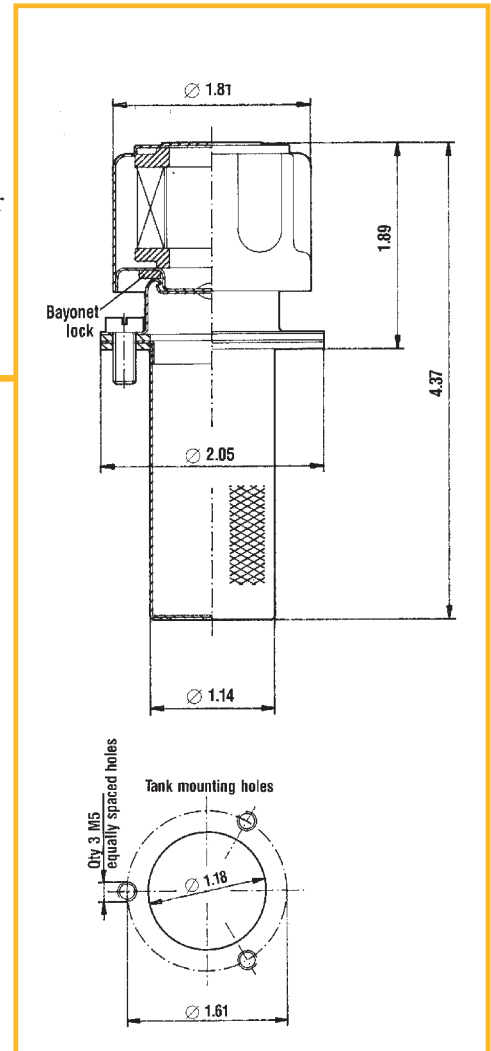
- ◆ Housing: Chrome plated steel
- ◆ Basket: Zinc plated steel
- ◆ Connection to Tank: Zinc plated steel
- ◆ Screws & Lock Nuts: Zinc plated steel
- ◆ Gasket: Cork or Rubber (Buna-N)
- ◆ Filter Media: 3 Micron: Impregnated paper
10 Micron: Polyurethane

TA 46 Bayonet Style

Series	Weight* Lbs
TA46	0.22

Flow rate GPM (ΔP 0.2 PSI)	
TA46...03	50
TA46...10	63

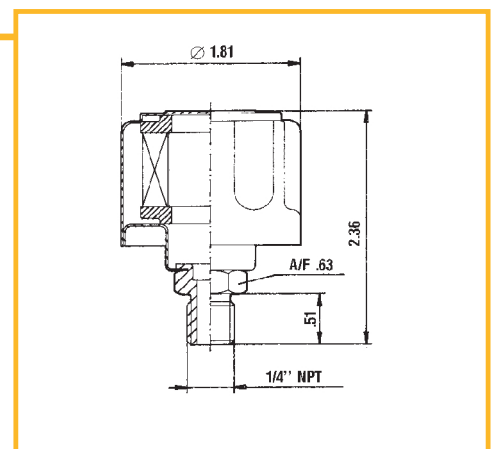
- ◆ This product is supplied complete with 3 screws M5x12 UNI 6107-DIN 84



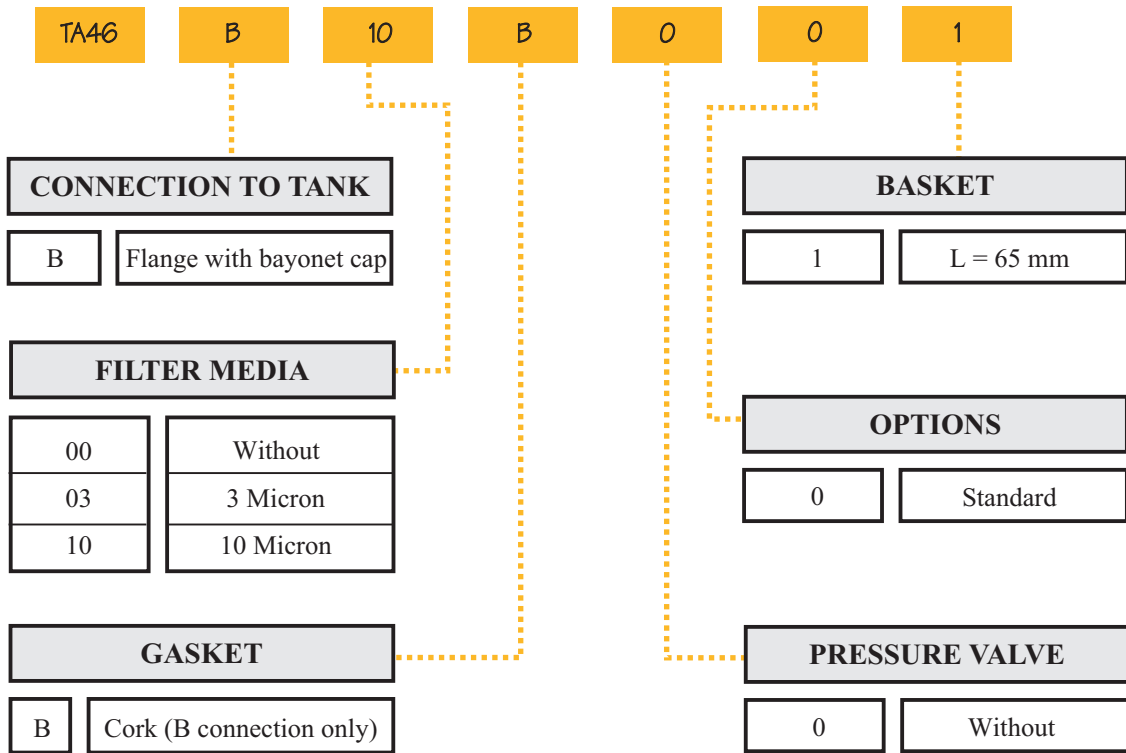
TA 46 Threaded

Series	Weight* Lbs
TA46	0.24

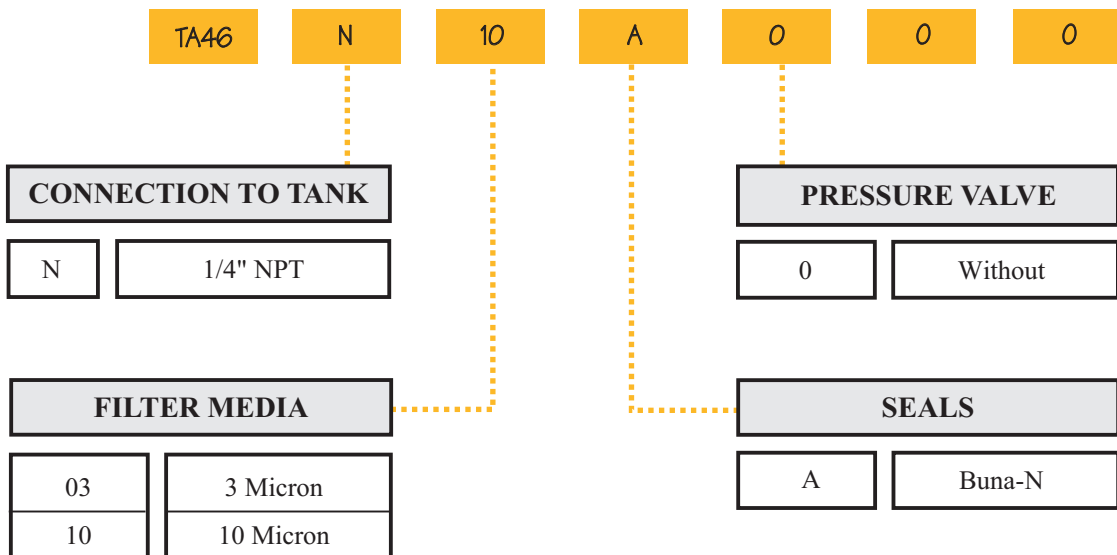
Flow rate GPM (ΔP 0.2 PSI)	
TA46...03	50
TA46...10	63



Ordering Code Filler Breather TA 46 Bayonet Style



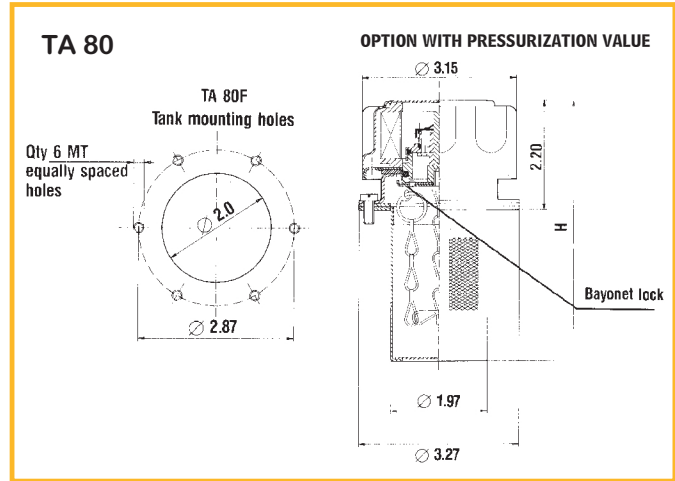
Ordering Code TA 46 Threaded



TA 80 Bayonet Series

Technical Data

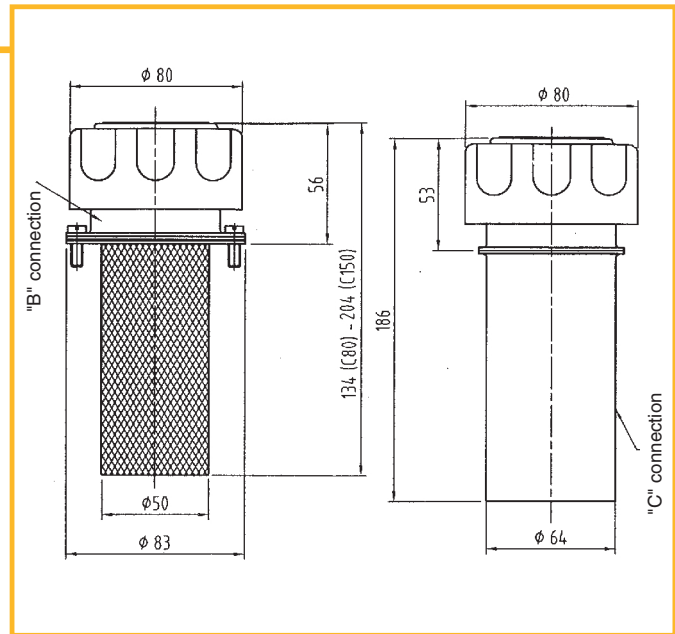
- ◆ Housing: Chrome plated steel
- ◆ Basket & Connection to Tank: Zinc plated steel
- ◆ Screws & Lock Nut: Zinc plated steel
- ◆ Gasket: Cork or Rubber (Buna-N)
- ◆ Filter Media: 3 Micron: Impregnated paper
10 Micron: Polyurethane



TA 80

Flow rate GPM (ΔP 0.2 PSI)	
TA80...03	158
TA80...10	200

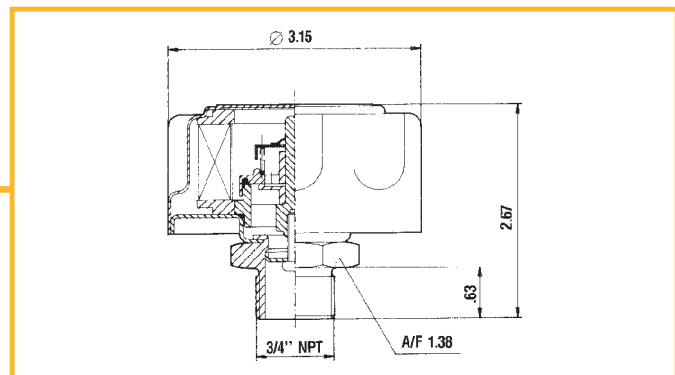
Series	H	Wgt*Lbs
TA80...1	5.28	0.72
TA80...2	8.03	0.77



- ◆ Flange version supplied complete with 6 screws M5x12 UNI 6107-DIN 84.

TA 80 Threaded

Series	Weight* Lbs
TA80-N	0.77

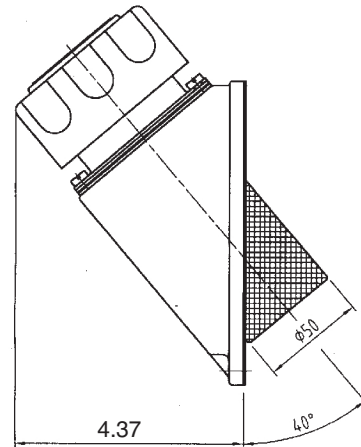


TAF 80 Angle Series

Technical Data

- ◆ Housing: Chrome plated steel
- ◆ Basket & Connection to Tank: Zinc plated steel
- ◆ Screws & Lock Nut: Zinc plated steel
- ◆ Gasket: Cork or Rubber (Buna-N)
- ◆ Filter Media:
 - 3 Micron: Impregnated paper
 - 10 Micron: Polyurethane

TAF 80

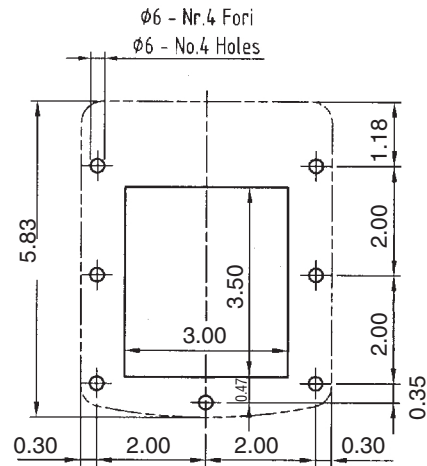


TAF 80

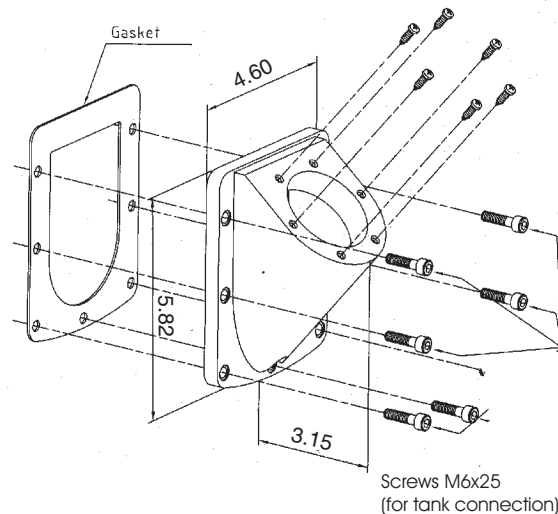
Flow rate GPM (ΔP 0.2 PSI)

TAF80...03	158
TAF80...10	200

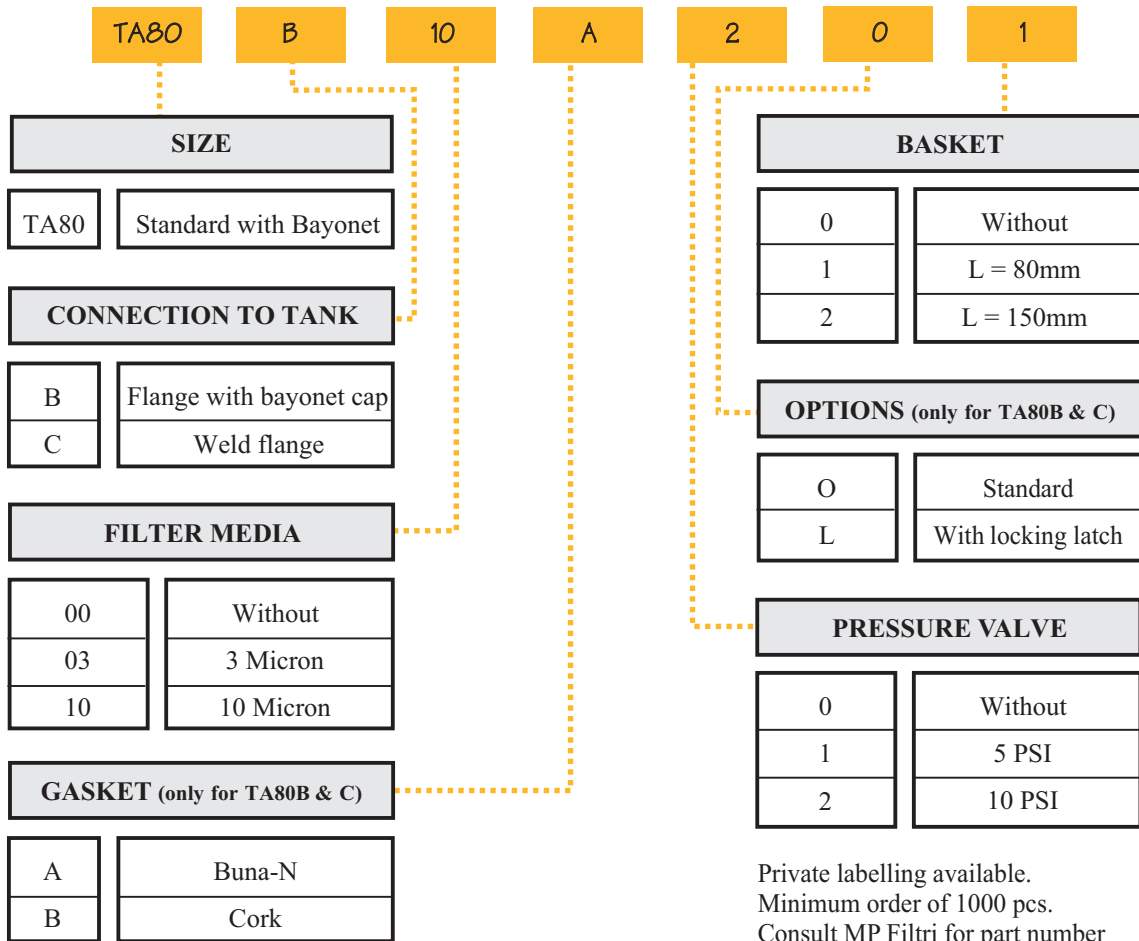
Series	H	Wgt*Lbs
TAF80...2		1.50



- ◆ Flange version supplied complete with 6 screws M6x25 UNI 5931-67/DIN 912 .

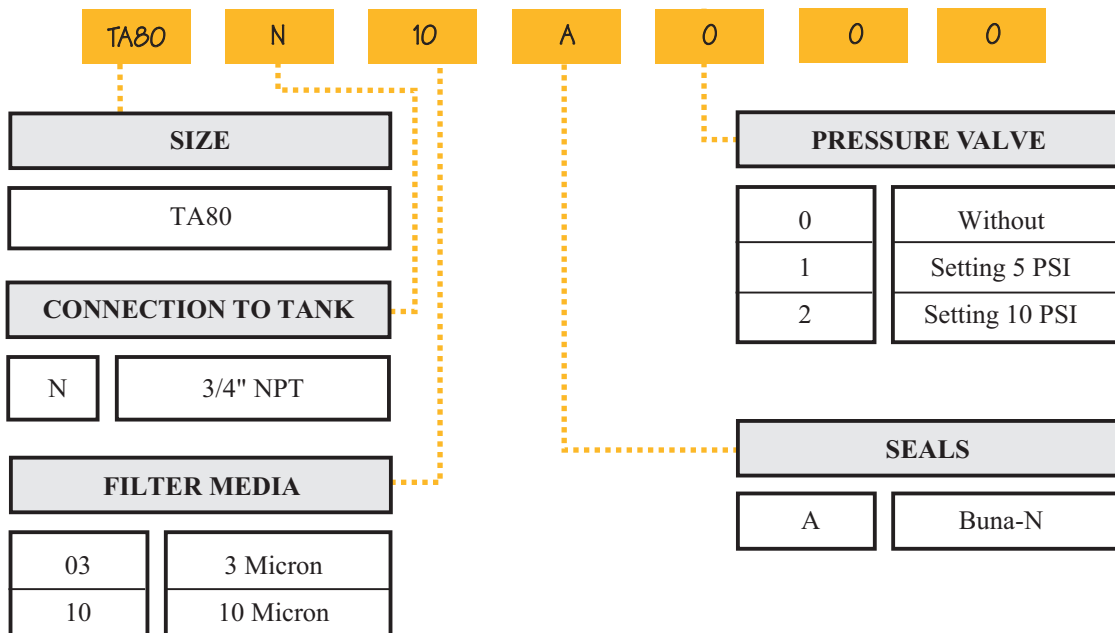


Ordering Code Filler Breather TA 80 Bayonet Style

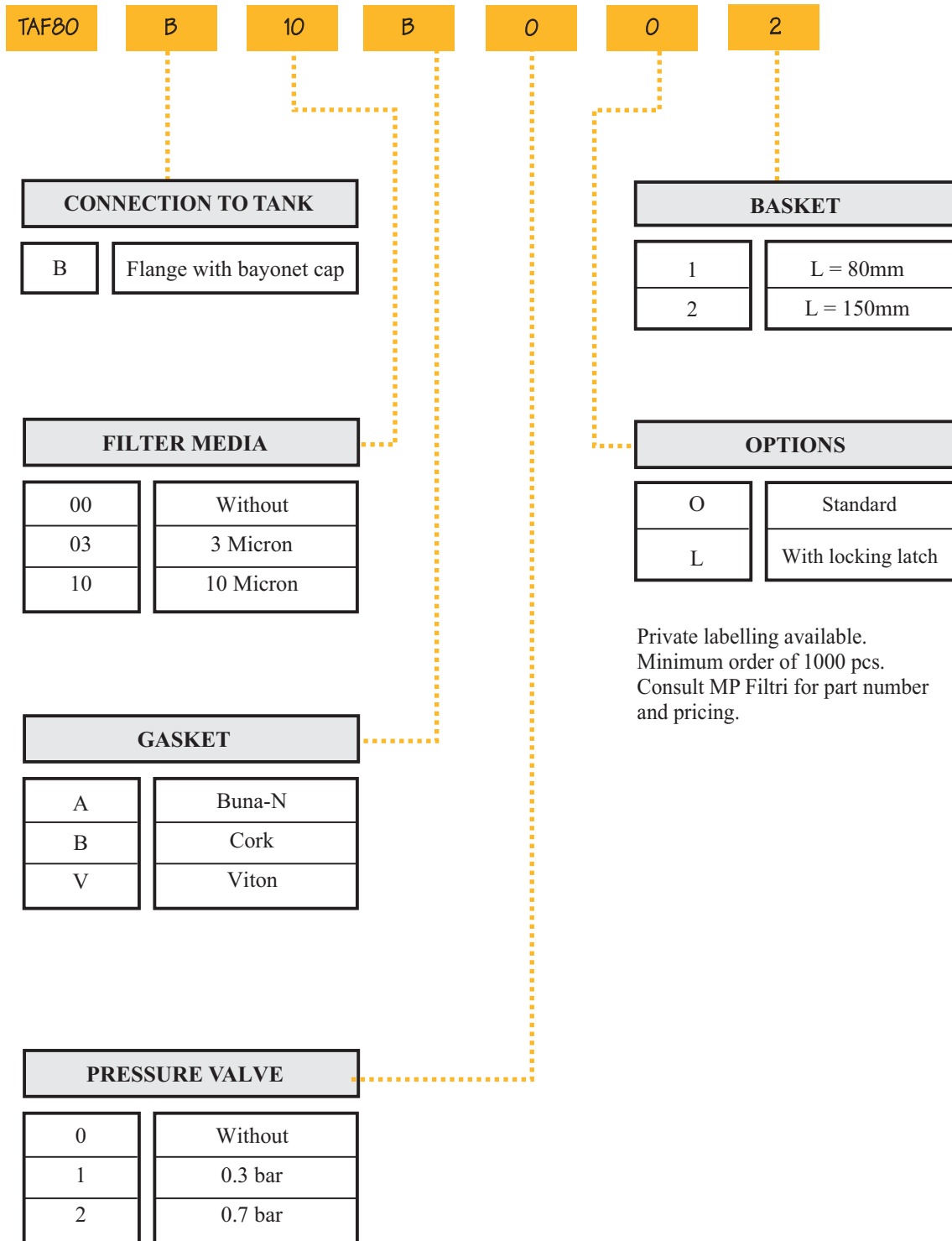


Private labelling available.
 Minimum order of 1000 pcs.
 Consult MP Filtri for part number
 and pricing.

Ordering Code Air Filter TA 80 Threaded



Ordering Code TAF 80 Angled Breather



Private labelling available.
 Minimum order of 1000 pcs.
 Consult MP Filtri for part number
 and pricing.

Filler Breathers - Air Filters TAP Series



Description

- ◆ Effective filtration of air entering the reservoir is a critical step in the process of controlling contamination in the hydraulic system.
- ◆ Flange mounted filler breather with a pre-filtering basket: All plastic construction for maximum resistance to environmental conditions. Excellent choice for outdoor and mobile applications because of its unique weatherable construction.
- ◆ Thread mounted breather without pre-filtering basket: All plastic construction.
- ◆ Available with three options:
 1. Pressurized: for applications where the environment is heavily contaminated and a light pressurization of the reservoir is desirable. Settings available are 5 and 10 PSI. The design incorporates a unique zero leak valve.
 2. Lockable: for applications where more control over access to the hydraulic system is required.
 3. Pressurized and lockable.

Technical Data

- ◆ Materials:

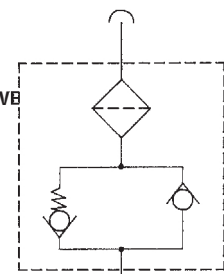
Housing:	Nylon
Basket:	Zinc plated steel
Connection to Tank:	Nylon
Screws & lock nut:	Zinc plated steel
Gasket:	Rubber (Buna-N)
Filter Media:	3 Micron: Impregnated paper 10 Micron: Polyurethane
- ◆ Working Temperature: -30°C to +100°C
- ◆ Compatibility With Fluids: Mineral based oils and synthetic fluids. For fluids other than those mentioned, please consult our sales department.
(It is important to verify the compatibility of materials with the fluid in the reservoir, even if not in direct contact).

- ◆ Symbols:

AIR FILTER



AIR FILTER WITH PRESSURIZATION VALVE



TAP 90 Bayonet Series TAF 90 Angle Series

Technical Data

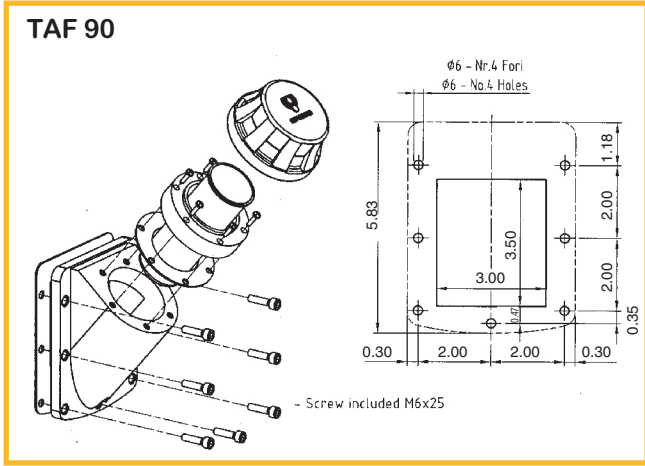
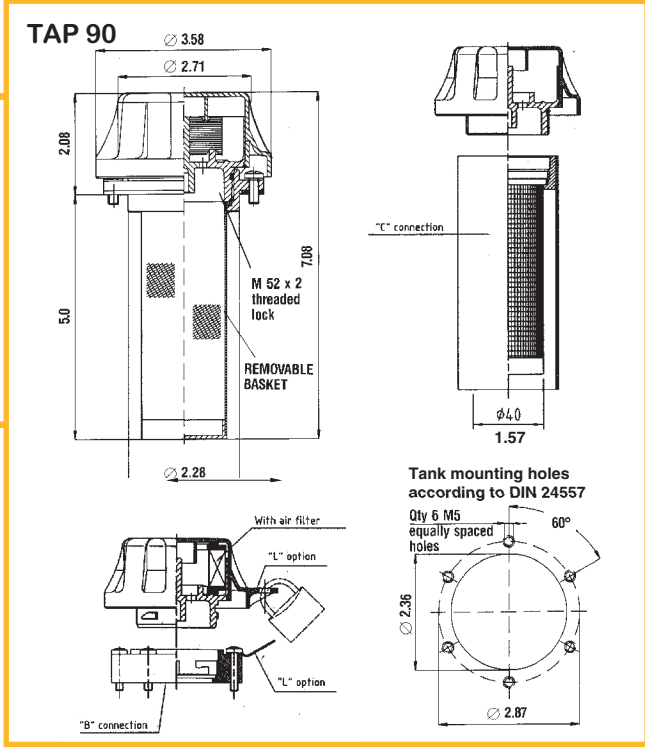
- ◆ Housing: Nylon
- ◆ Basket & Screws: Zinc plated steel
- ◆ Connection: Nylon
- ◆ Gasket: Rubber (Buna-N)
- ◆ Filter Media: 03: Impregnated paper
10: Polyurethane

TAP 90/TAF 90

Series	Weight* Lbs
TAP 90	0.39

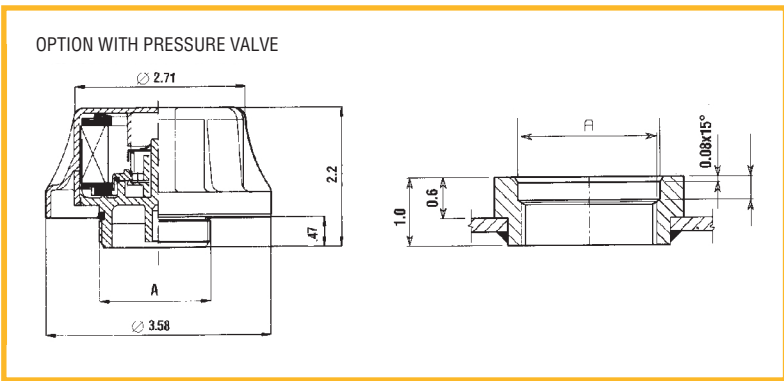
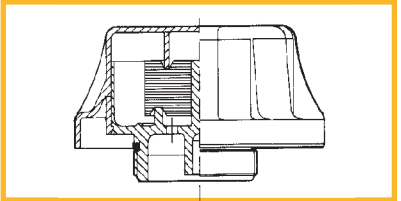
Flow rate GPM (ΔP 0.2 PSI)	
TAP 90...03	158
TAP 90....10	200

- ◆ This product is supplied complete with 6 screws: M5x12 UNI 6107-DIN 84.

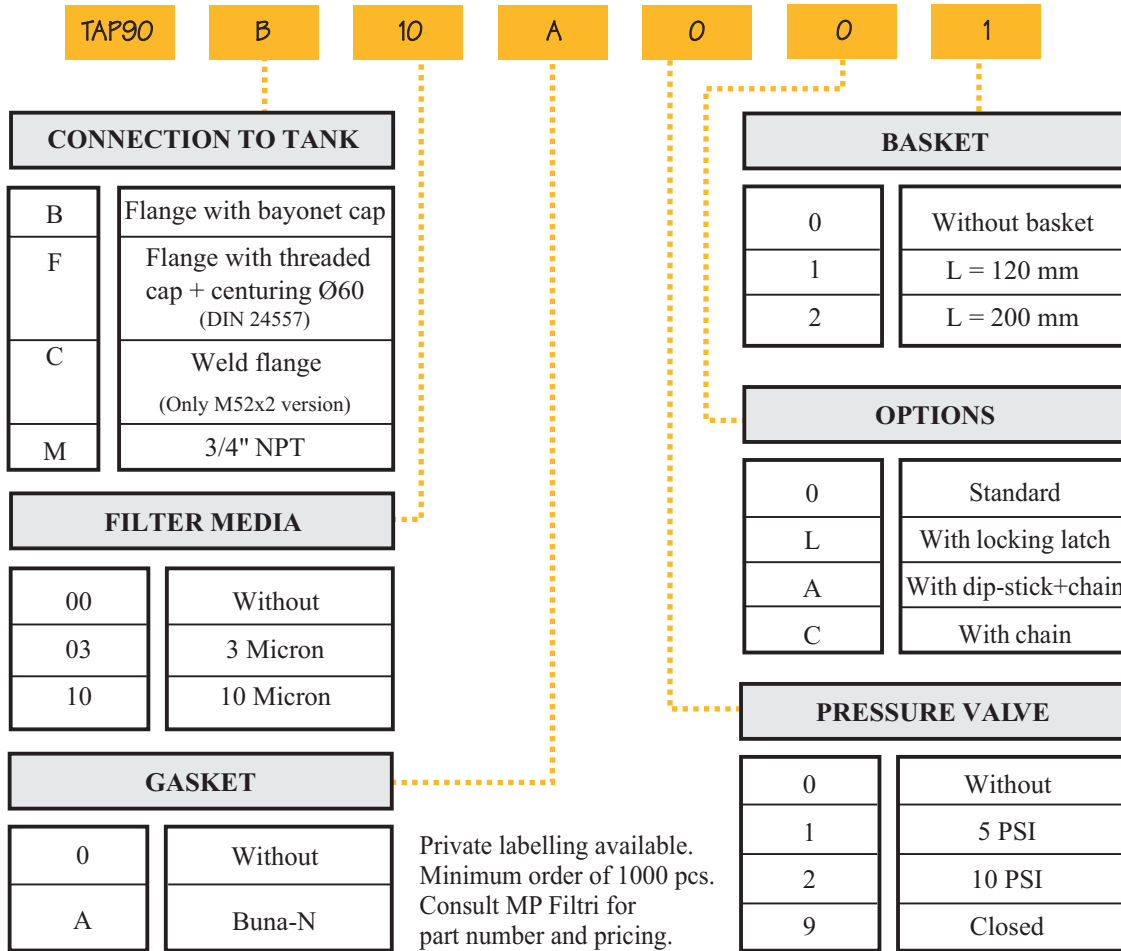


TAP 90 Threaded

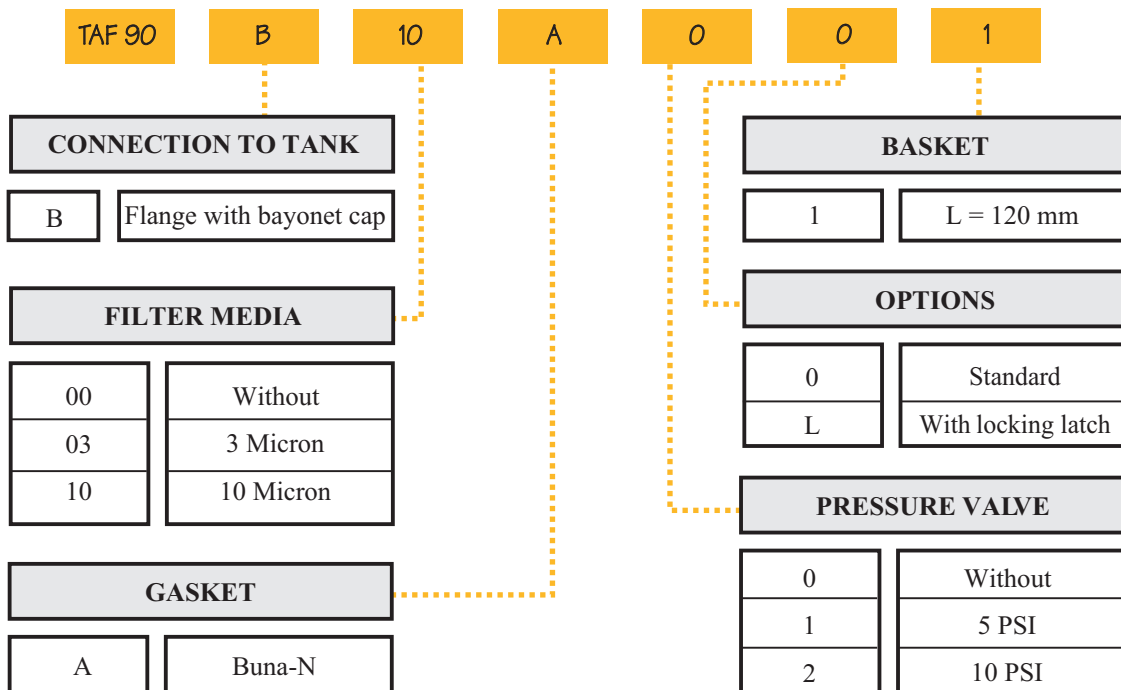
Type	A	B	C	Wgt* Lbs
M	3/4" NPT	---	---	0.28



Ordering Code TAP 90 Bayonet Style



Ordering Code TAF 90 Angled Breather



Air Filters SA - SAP Series

2-11

Description

- ◆ Effective filtration of air entering the reservoir is a critical step in the process of controlling contamination in the hydraulic system.
- ◆ Thread mounted breather without prefiltering basket: All metal construction with serviceable cartridge style filter element.

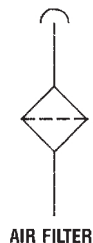


Technical Data

- ◆ Materials:

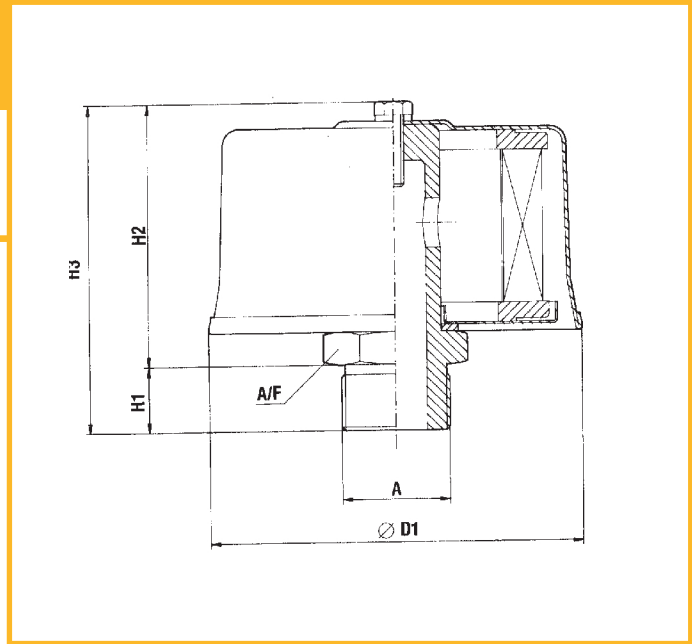
Housing:	Painted steel
Connection to Tank:	Zinc steel
Gasket:	Rubber (Buna-N)
Filter Media:	3 Micron: Impregnated paper 10 Micron: Polyurethane 40 Micron: Inorganic fiber
- ◆ Compatibility With Fluids: Mineral based oils. Synthetic oils. For fluid other than those mentioned, please consult our sales department.
(It is important to verify the compatibility of materials with the fluid in the reservoir, even if not in direct contact).

- ◆ Symbol:



SA Series

Technical Data



◆ Dimensions:

Type	D1	H1	H2	H3	A/F	Wgt*Lbs
SA 036	1.41	.51	1.37	1.89	.866	0.20
SA 053	2.08	.51	1.96	2.48	.866	0.33
SA 115	4.52	.78	3.14	3.93	1.50	0.77
SA 145	5.70	1.0	4.44	5.43	2.16	1.15
SA 185	7.28	1.0	6.49	7.48	3.15	2.86
SA 075 G4	2.95	.65	2.48	2.99	1.06	0.50
SA 075 G5	2.95	.67	2.72	3.15	1.25	0.50

◆ Flow Rate:

Flow rate GPM (ΔP 0.2 PSI)		Flow rate GPM (ΔP 0.2 PSI)	
SA036..L40	140	SA115..L10	650
SA053..L03	130	SA115..L40	800
SA053..L10	150	SA145..L03	1000
SA053..L40	200	SA145..L10	1200
SA075..L03	330	SA145..L40	1500
SA075..L10	400	SA185..L03	1300
SA075..L40	500	SA185..L10	1500
SA115..L03	520	SA185..L40	2000

◆ Connection to Tank: "A"

Type	SA 036	SA 053	SA 075	SA 115	SA 145	SA 185
G4	1/4" NPT	1/4" NPT	1/2" NPT	1" NPT	1-1/2" NPT	2-1/2" NPT
G5	3/8" NPT	3/8" NPT	3/4" NPT	---	---	---
G6	1/2" NPT	---	---	---	---	---

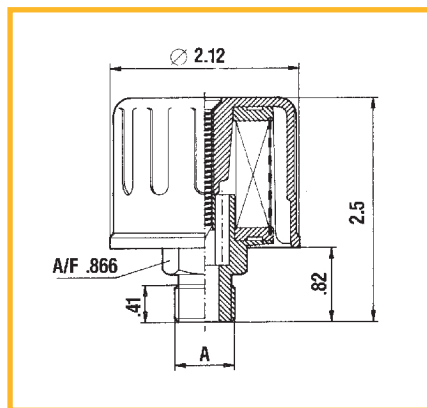
SAP Series

Technical Data

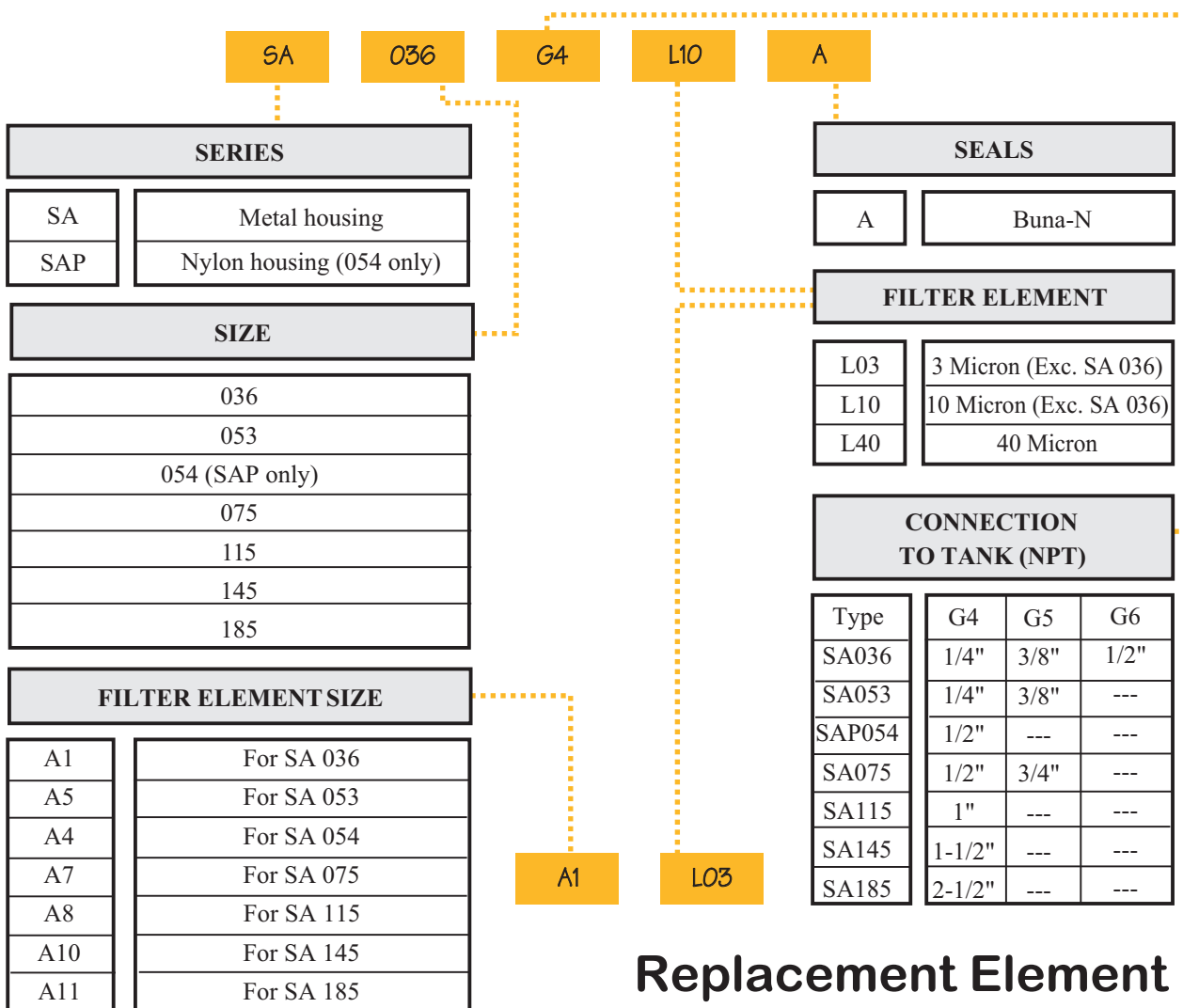
- ◆ Housing: Nylon
- ◆ Connection to Tank: Nylon
- ◆ Gasket: N/A
- ◆ Filter Media:
 - L03: Impregnated paper
 - L10: Polyurethane
 - L40: Inorganic fiber

Type	A	Weight
G4	1/2" NPT	0.13

Flow rate GPM (ΔP 0.2 PSI)	
SAP054...L03	34
SAP054...L10	39
SAP054...L40	53



Ordering Code Air Filter SA and SAP Series



Replacement Element

Air Filters SCS Series



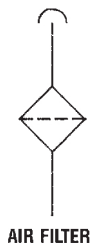
Description

- ◆ Effective filtration of air entering the reservoir is a critical step in the process of controlling contamination in the hydraulic system.
- ◆ Flange or weld mounted breather adapter without prefiltering basket: All metal construction with serviceable spin-on style element

Technical Data

- ◆ **Materials:** Connection to tank: Zinc plated steel
Gasket: Rubber (Buna-N)
Filter Media: See order key page.
- ◆ **Compatibility With Fluids:** Mineral based oils and synthetic fluids. For fluid other than those mentioned, please consult our sales department.
(It is important to verify the compatibility of materials with the fluid in the reservoir, even if not in direct contact).

- ◆ **Symbol:**



Media Selection

- ◆ The optimum condition is to have an air breather with filtration equal to or better than the hydraulic filtration in the system
- ◆ Select a breather that allows nominal flow equal to or greater than the maximum fluid displaced per unit of time during the most intensive cycle of the hydraulic system.
- ◆ The nominal flow rates listed below are based on a clean element pressure drop less than 0.20 PSI

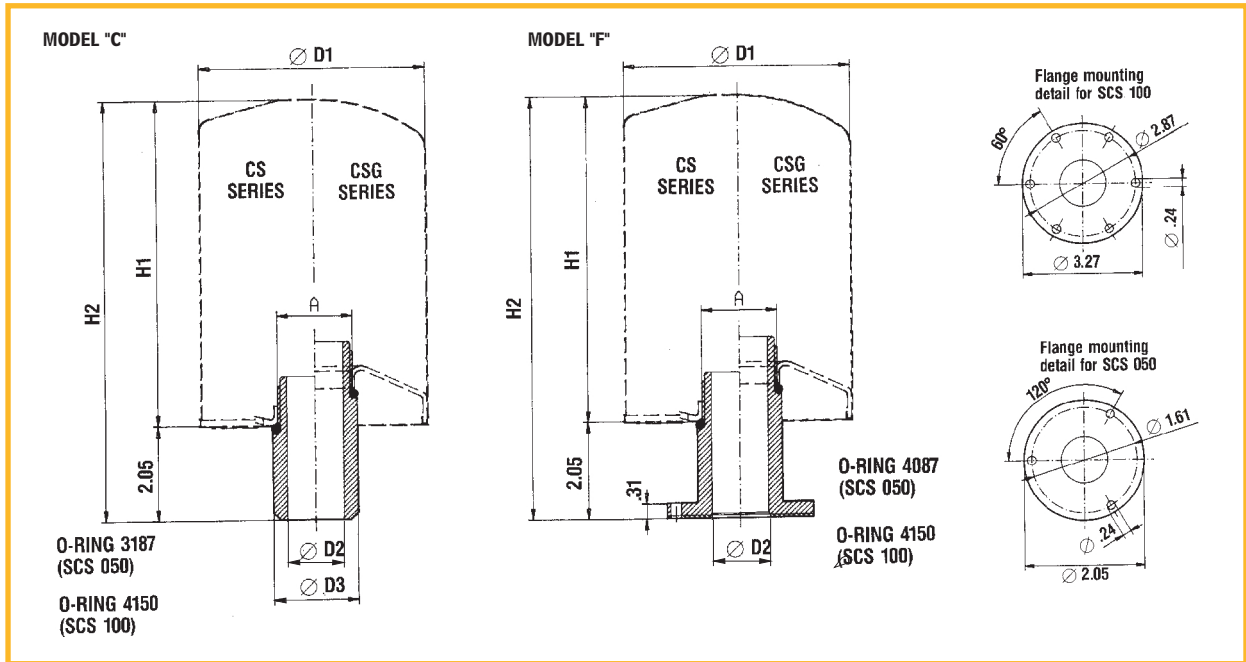
MP Filtri Media	Actual Filtration Level With Air
A03	0.3 micron
A06	0.6 micron
A10	1.0 micron
A25	2.5 micron
P10	3 micron
P25	10 micron

Type of Element	Normal flow rate GPM (ΔP 0.2 PSI)
CS/CSG 050-70	212 GPM
CS/CSG 100-150	290 GPM

SCS Series

2-15

Technical Data



◆ Dimensions With Element:

Type	D1	H1	H2	Min. space to service
CS/CSG 050	3.78	5.82	7.87	0.8
CS/CSG 070	3.78	8.46	10.51	0.8
CS 100	5.07	7.08	9.13	1.0
CS 150	5.07	8.85	10.90	1.0
CSG 100	5.02	6.96	9.01	1.0
CSG150	5.02	10.9	12.95	1.0

◆ Weight With Element:

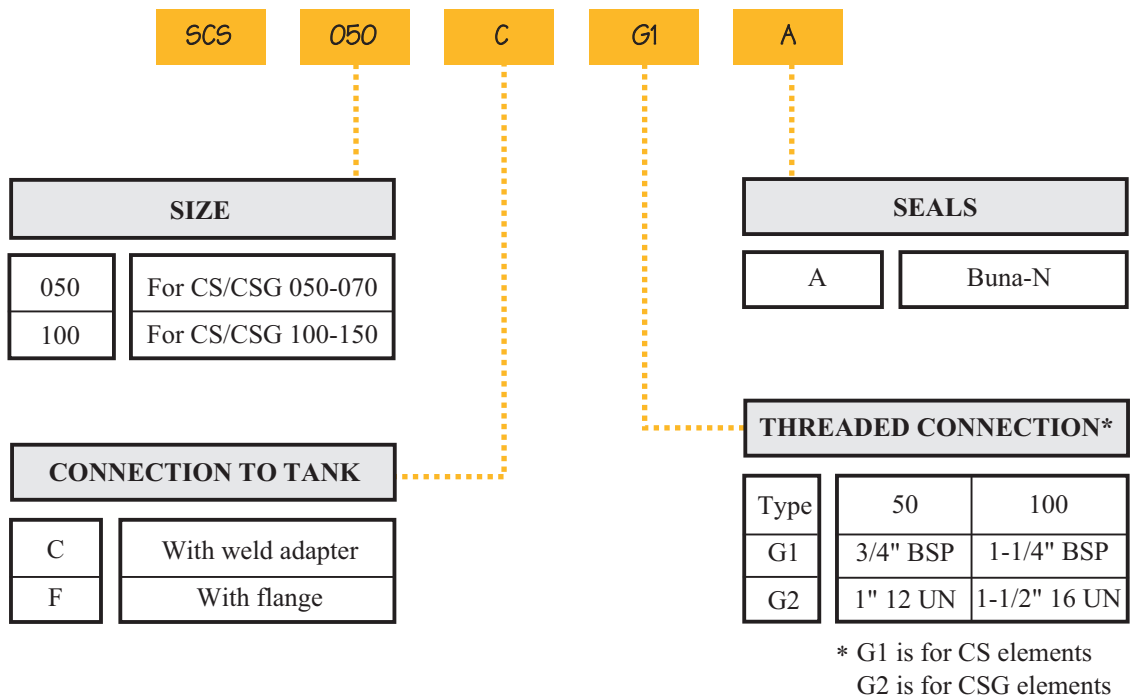
Type	Weight*
SCS 050 + CS/CSG 050	2.20
SCS 050 + CS/CSG 070	2.53
SCS 100 + CS/CSG 100	4.52
SCS 100 + CS/CSG 150	4.85

◆ Thread Connection For Elements:

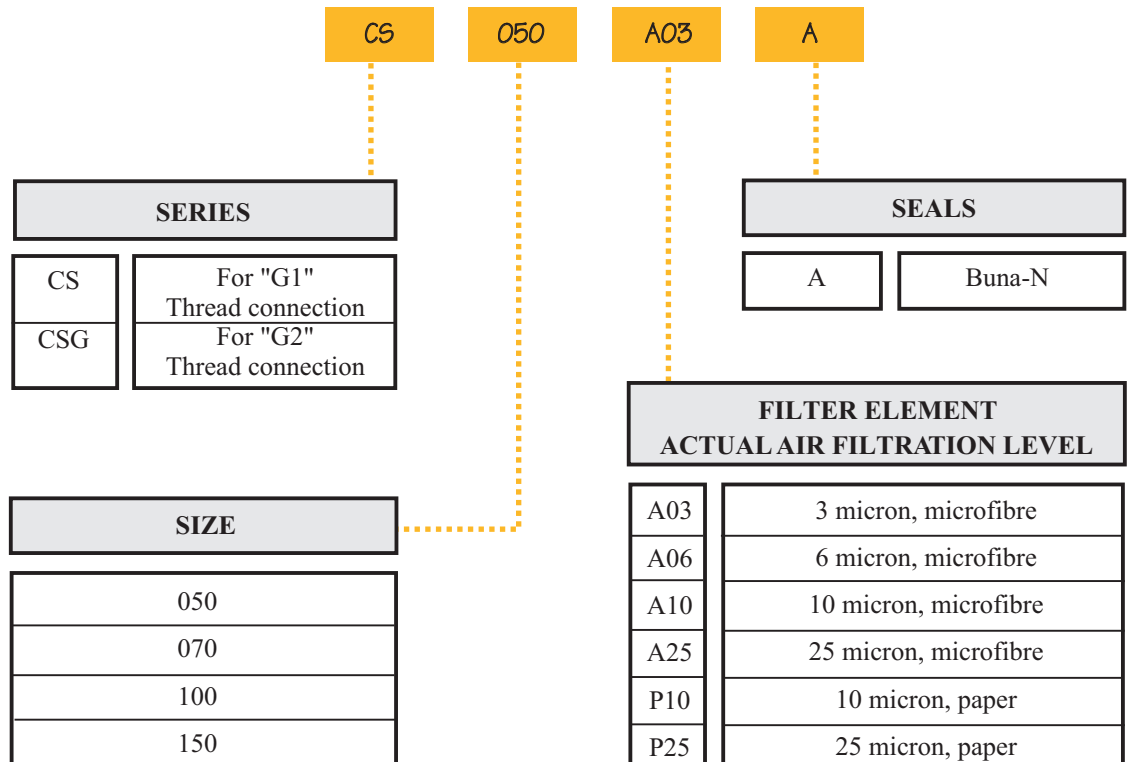
Type	A	D2	D3
SCS 050..G1	3/4" BSP	.71	1.26
SCS 050..G2	1" 12 UN	.71	1.26
SCS 100..G1	1-1/4" BSP	1.26	1.89
SCS 100..G2	1-1/2" 16 UN	1.26	1.89

* Max weight in lbs. complete filter

Ordering Code Air Filter SCS Series



Replacement Element



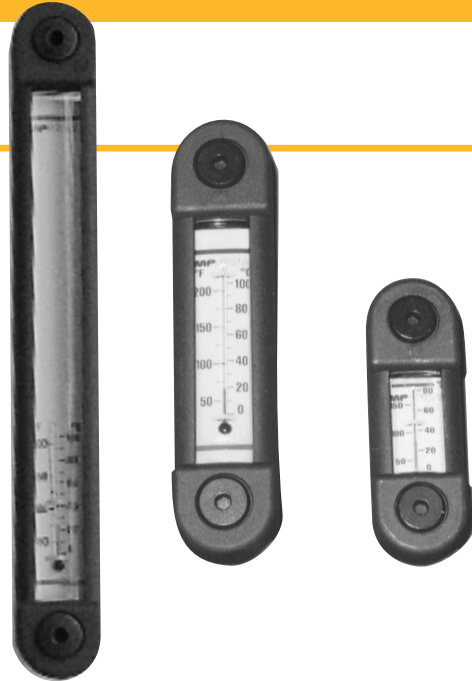
N.B. This filter element and the adaptor must be ordered separately.

Level Indicators - LVA Series

2-17

Description

- ◆ Vertical visual level indicators with standard bolt centers of 3, 5, & 10 inches.
- ◆ LVA Series: Moulded plastic with anodized aluminium shell
- ◆ Available with optional thermometers.



Technical Data

- ◆ Materials:
 - Protective Shell: Die cast aluminum
 - Transparent Window: Moulded plastic
 - Background Screen: Reinforced plastic
 - Mounting Bolts: Steel - Zinc plated
 - Seals: "A" = Series: Nitrile (Buna-N)
 - "V" = Series: Viton
- ◆ Maximum Working Pressure: Max 30 PSI
- ◆ Working Temperature: -30°C to +100°C
For temperatures outside this range please consult our sales department.
- ◆ Compatibility With Fluids: Mineral oils, diesel, synthetic fluids and phosphate esters.

LVA 10

Technical Data

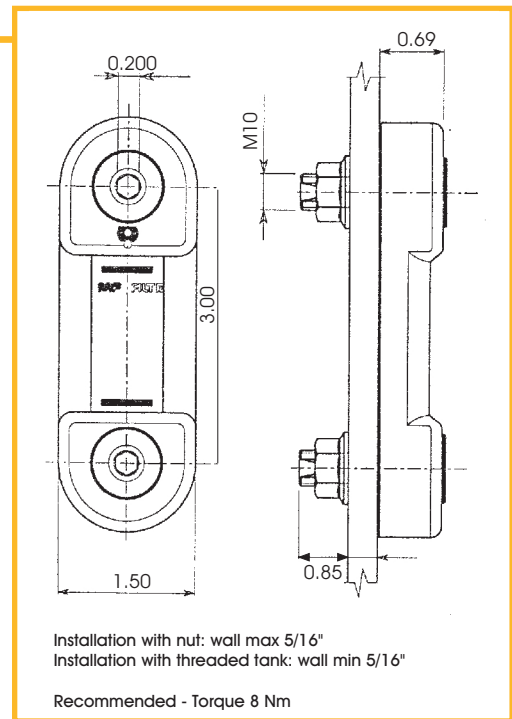
- ◆ Materials:
 - Protective Shell: Die cast aluminum
 - Transparent Window: Transparent Nylon
 - Mounting Bolts: Steel
 - Seals: "A" = Series: Nitrile (Buna-N)
 - "B" = Series: Inorganic Fiber



- ◆ Working Pressure: Max 30 PSI
- ◆ Spare Parts:

Complete Seal Kit	Q	Code 1
Buna-N	1	2.050.116
Viton	1	2.050.117
Kit, complete with screws	1	2.049.005

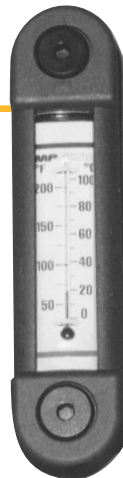
Standard gasket is nitrile rubber (Buna-N)



LVA 20

Technical Data

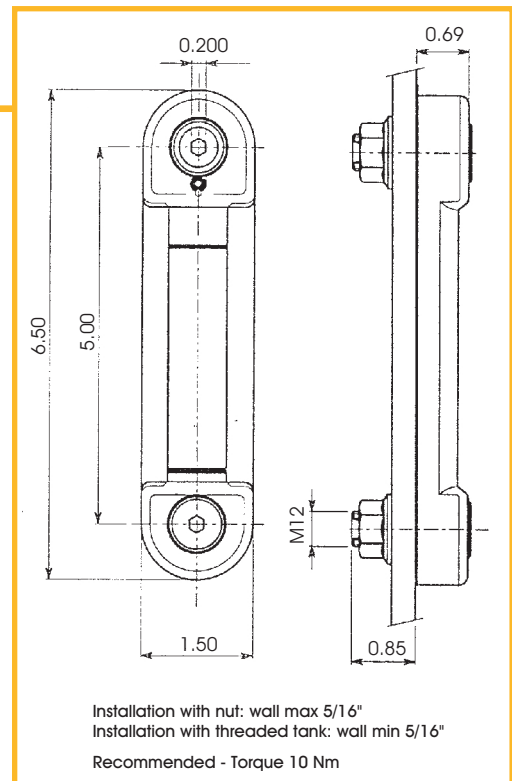
- ◆ Materials:
 - Protective Shell: Die cast aluminum
 - Transparent Window: Transparent Nylon
 - Mounting Bolts: Steel
 - Seals: "A" = Series: Nitrile (Buna-N)
 - "B" = Series: Inorganic Fiber



- ◆ Working Pressure: Max 30 PSI
- ◆ Spare Parts:

Complete Seal Kit	Q	Code 2
Buna-N	1	2.050.118
Viton	1	2.050.119
Kit, complete with screws	1	2.049.006

Standard gasket is nitrile rubber (Buna-N)



LVA 30

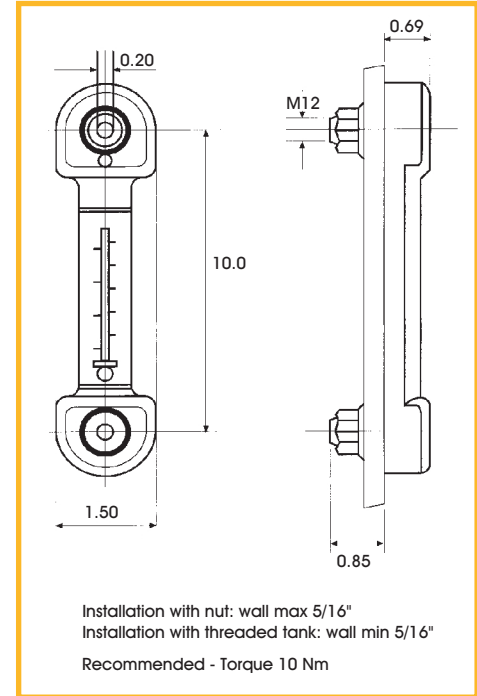


Technical Data

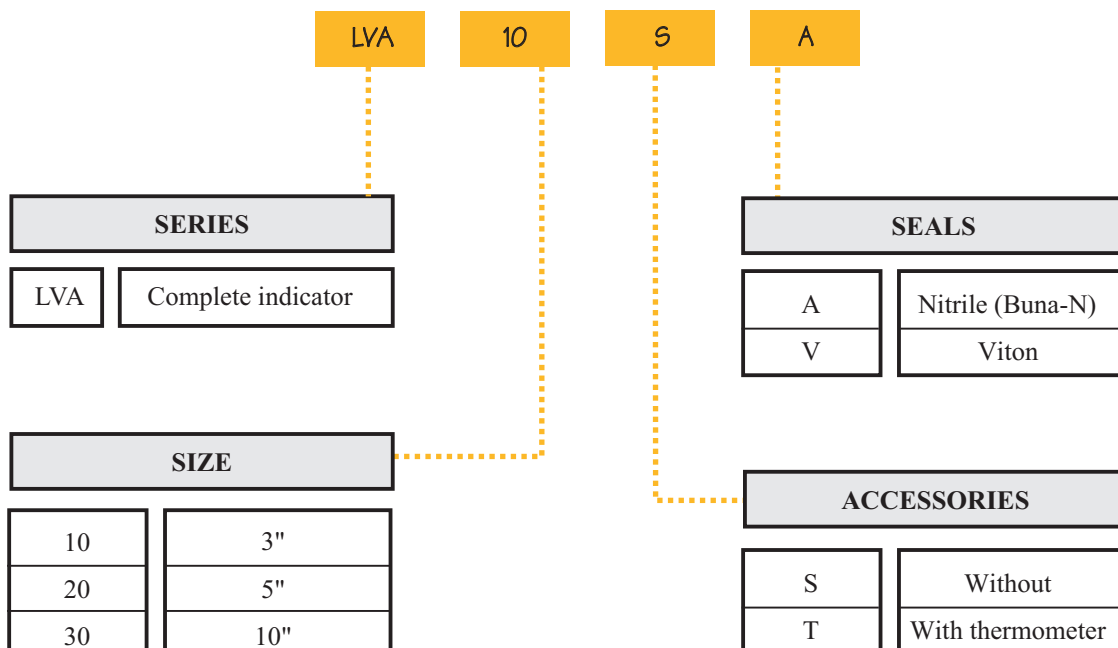
- ◆ **Materials:**
 - Protective Shell: Die cast aluminum
 - Transparent Window: Moulded Plastic
 - Background Screen: Transparent Nylon
 - Mounting Bolts: Steel
 - Seals: "A" = Series: Nitrile (Buna-N)
 - "B" = Series: Inorganic Fiber
- ◆ **Working Pressure:** Max 30 PSI
- ◆ **Spare Parts:**

Complete Seal Kit	Q	Code 3
Buna-N	1	2.050.120
Viton	1	2.050.121
Kit, complete with screws	1	2.049.007

Standard gasket is nitrile rubber (Buna-N)



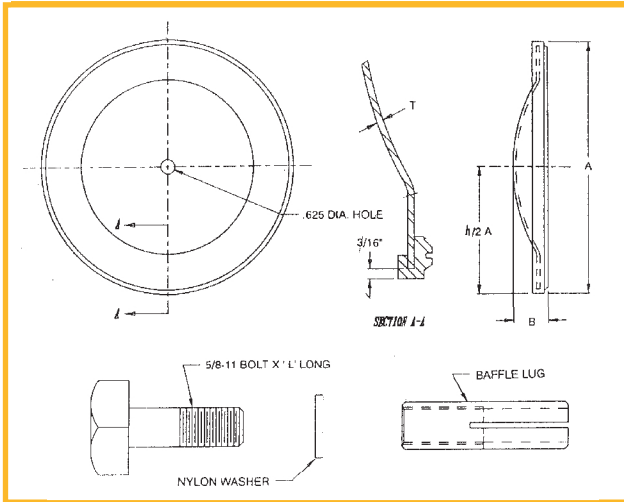
Ordering Code LVA Series



Tank End Covers



Dimensions



Size	A	B	T	L
10"	10-3/4"	1-7/8"	10 GA	1-1/4"
12"	12-5/8"	2-1/8"	7 GA	1-3/4"
14"	14-5/8"	2-7/16"	7 GA	1-3/4"
16"	16-5/8"	2-11/16"	7 GA	2"
18"	18-5/8"	2-15/16"	7 GA	2-1/2"

Part Numbers

◆ Stainless Steel:

End cover Size	*Endcover kit without drain	*Endcover kit with drain	**Endcover only without drain	**Endcover only with drain
10"	5067-SS	5067-D-SS	5070-SS	5072-D-SS
12"	5080-SS	5080-D-SS	5085-SS	5085-D-SS
14"	5065-SS	5065-D-SS	5071-SS	5071-D-SS
16"	5087-SS	5087-D-SS	5089-SS	5089-D-SS
18"	5091-SS	5091-D-SS	5095-SS	5095-D-SS

* Endcover Kit includes: Endcover, Buna-N gasket, 5/8-11 bolt, nylon washer & baffle lug. (One of each)

** Endcover Only includes: Endcover, Buna-N gasket. (one of each)

◆ Steel:

End cover Size	*Endcover kit without drain	*Endcover kit with drain	**Endcover only without drain	**Endcover only with drain	**Endcover kit with #12 SAE drain	**Endcover only with #12 SAE drain
10"	5067	5068	5070	5072	5053-D	5053
12"	5080	5080-D	5085	5086-D	5054-D	5054
14"	5065	5066	5071	5073	5055-D	5055
16"	5087	5087-D	5089	5090-D	5056-D	5056
18"	5091	5091-D	5095	5094-D	5057-D	5057

FT Flanges - Suction & Return

Description

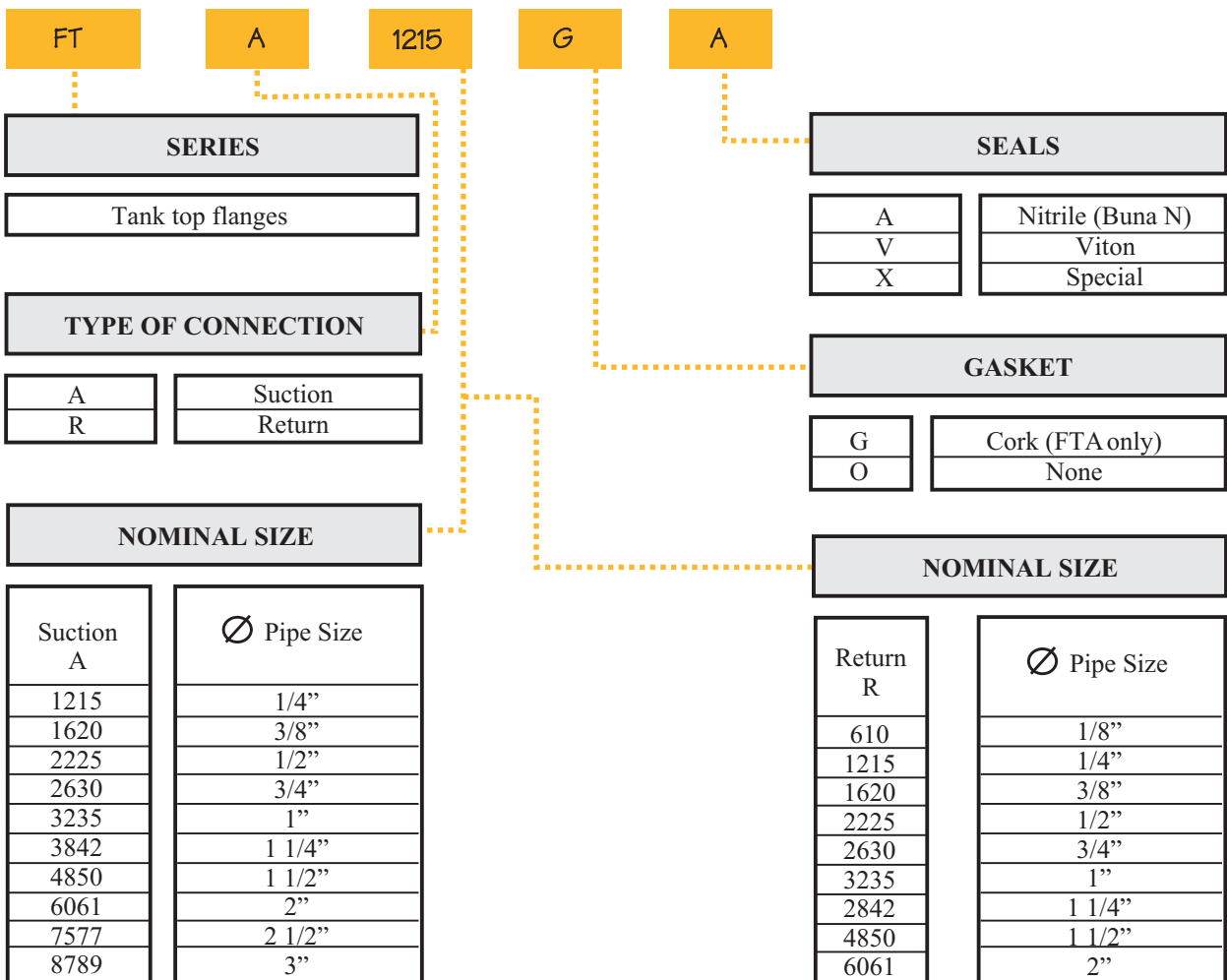
◆ Flanges in this series are designed to accommodate suction and return lines passing through the top of a hydraulic tank. Supplied complete with clamp screws and collar, they

afford quick and simple installation. FT flanges are compatible with all mineral and synthetic oils, emulsions and phosphate esters.

Technical Data

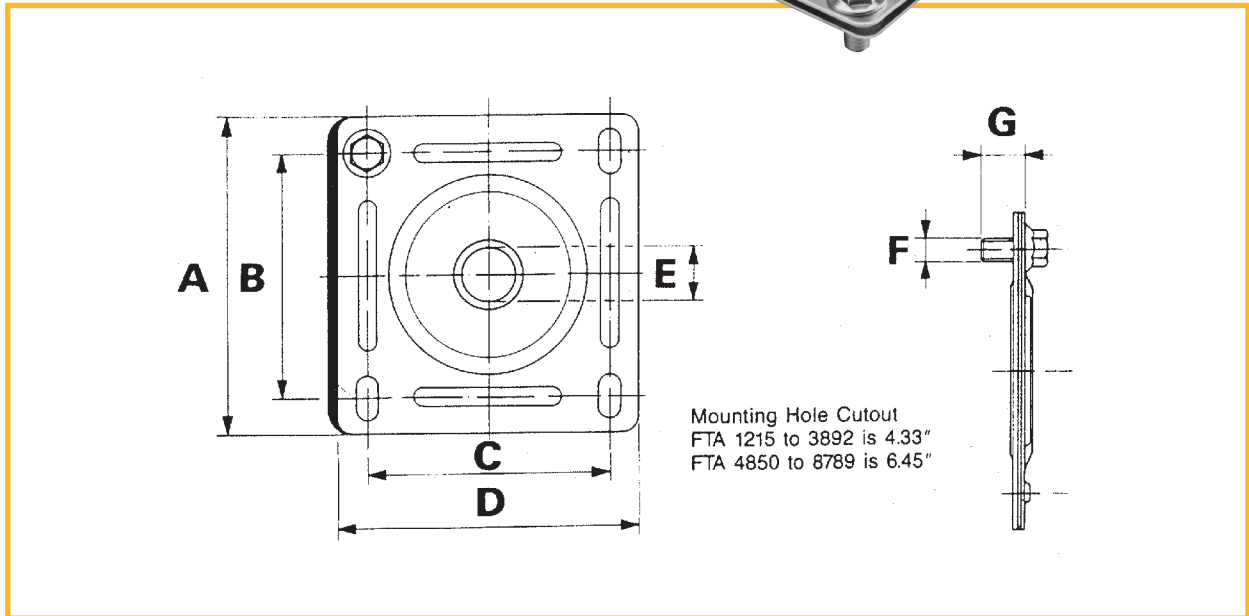
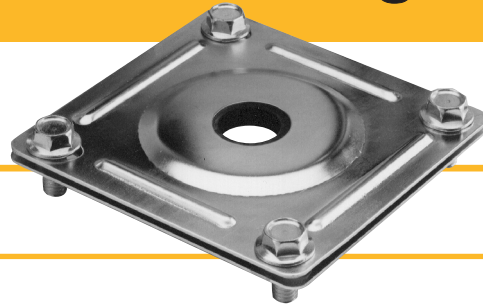
- ◆ Materials: Galvanized stamped steel
- ◆ Seals: Series "A" Nitrile (Buna-N) for mineral oil, glycol, & emulsions
Series "V" Viton for phosphate esters and synthetic oils
- ◆ Gaskets: Series "G" Cork
Series "X" Custom order

Ordering Information



FTA Flanges - Suction Flange

Dimensions

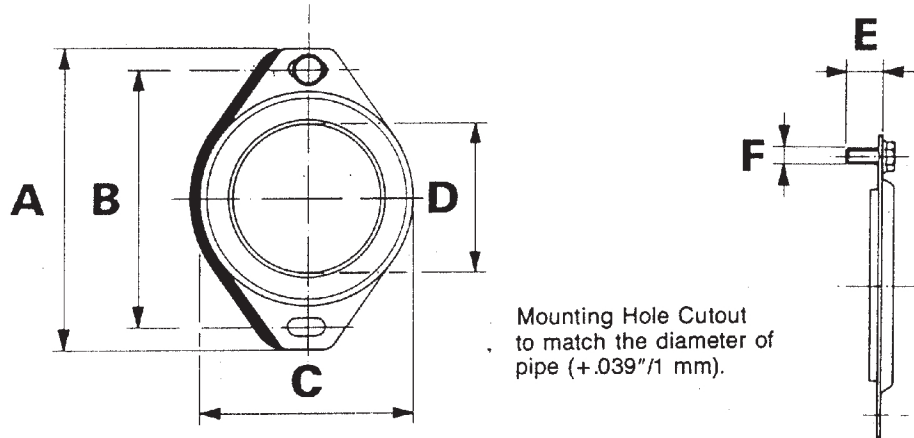


∅ Type	∅ Pipe Size	A	B	C	D	E	F	G	Weight	
		Inch	Inch	Inch	Inch	Inch	mm	Inch	lbs	kg
FTA 1215	1/4"	5.512	4.252	4.252	5.275	.472 .590	M10	.787	1.26	.575
FTA 1620	3/8"	5.512	4.252	4.252	5.275	.630 .787	M10	.787	1.25	.570
FTA 2225	1/2"	5.512	4.252	4.252	5.275	.866 .984	M10	.787	1.19	.540
FTA 2630	3/4"	5.512	4.252	4.252	5.275	1.023 1.181	M10	.787	1.17	.530
FTA 3235	1"	5.512	4.252	4.252	5.275	1.259 1.378	M10	.787	1.17	.530
FTA 3842	1 1/4"	5.512	4.252	4.252	5.275	1.496 1.654	M10	.787	1.14	.520
FTA 4850	1 1/2"	7.480	6.259	6.260	7.480	1.889 1.968	M10	.787	2.05	.930
FTA 6061	2"	7.480	6.259	6.260	7.480	2.362 2.401	M10	.787	1.96	.890
FTA 7577	2 1/2"	7.480	6.259	6.260	7.480	2.953 3.031	M10	.787	1.89	.860
FTA 8789	3"	7.480	6.259	6.260	7.480	3.425 3.504	M10	.787	1.83	.830

FTR Flanges



Dimensions



Maximum torque on screws is 15 ft./lbs. (20 Nm). All types.

Type	Ø Pipe Size	A	B	C	D	E	F	Weight	
		Inch	Inch	Inch	Inch	Inch	mm	lbs	kg
FTR 610	1/8"	2.795	2.125	1.496	.236 .393	.591	M6	.11	.050
FTR 1215	1/4"	2.795	2.125	1.496	.472 .590	.591	M6	.10	.045
FTR 1620	3/8"	2.795	2.125	1.496	.630 .787	.591	M6	.10	.045
FTR 2225	1/2"	4.724	4.015	3.150	.866 .984	.591	M6	.24	.110
FTR 2630	3/4"	4.724	4.015	3.150	1.023 1.181	.591	M6	.22	.100
FTR 3235	1"	4.724	4.015	3.150	1.259 1.378	.591	M6	.22	.100
FTR 3842	1 1/4"	4.724	4.015	3.150	1.496 1.654	.591	M6	.22	.100
FTR 4850	1 1/2"	4.724	4.015	3.150	1.889 1.968	.591	M6	.21	.095
FTR 6061	2"	4.724	4.015	3.150	2.362 2.401	.591	M6	.20	.090