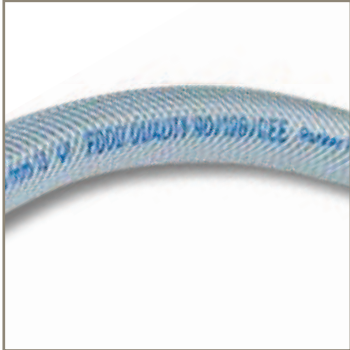


RUBBER HOSE DRINKPRESS

10 bar  FDA - ISO free
BFR - D.M. 21703/73

aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding

 FDDU QUADRA RD126/CEE Parker



Beverage & Food



ENGINEERING YOUR SUCCESS.



I – Beverage & Food

Hose	ID Range (mm)	Temp. Range (°C)	Application
DRINKPRESS 164	10 - 25	-20 / +164	food & beverage and steam
GAMBRINUS UPE WB SM EN12115	19 - 100	-15 / +100	food & beverage
GAMBRINUS BLUE 10	19 - 100	-40 / +80	fatty food & beverage
GAMBRINUS BLUE SM 10	19 - 100	-40 / +80	fatty food & beverage
GAMBRINUS RED 10	19 - 63.5	-40 / +120	wine and soft drinks food & beverage
GAMBRINUS RED SM 10	19 - 100	-40 / +120	wine and soft drinks food & beverage
GAMBRINUS BLACK SM 10	50 - 100	-40 / +80	abrasive food
VINITRESS	6 - 50	-20 / +60	food & beverage
APERSPIR	10 - 150	-10 / +60	food & beverage
ENOREX	25 - 150	-25 / +60	wine and soft drinks food & beverage
TE Potable Water PU Hose	32 - 150	-40 / +80	potable water transfert

Guidelines to the Use and Cleaning of Food Rubber Hose

The hoses offered in our catalogue are manufactured in accordance with the best production practices, observing the international norms and specifications regulating this sector to guarantee safety, performance, quality and hygiene.

Transport, storage, handling, usage and media may contaminate the hose and affect its performance.

Therefore Parker recommends cleaning and sanitizing the hose prior to and after each use to maintain hose efficiency and prevent harmful contamination.

However our suggestions are superseded by specific local government regulations.

Before the use of Food hose:

- Flush with drinking water at 20 °C for max 10 min
- Cleaning process with detergents/chemicals
- Rinse with drinking water at 20 °C for max 10 min
- Sterilization at 110 °C for max 30 min
- Rinse with drinking water at 20 °C for max 10 min
- Check to determine that all residuals have been eliminated

The frequency depends on the type of food and liquid conveyed and environment condition.

The frequency and time of exposure to detergents/disinfectants may compromise the service life of the hose. Thus we recommend regular inspection of the hose to evaluate its physical conditions.



	Tube	Reinforcement	Cover	WP (bar)	Safety factor	Suction	Industry standard	Page
	NBR	textile	NBR/PVC	20	3		DM 21/03/73 - FDA	I4
	UHMWPE	textile + copper wires	EPDM	16	4	yes	**EN12115-FDA-DM	I5
	NBR	textile	NBR	10	3		* BfR - DM - FDA - EC	I6
	NBR	textile	NBR	10	3	yes	* BfR - DM - FDA - EC	I7
	EPDM	textile	EPDM	10	3		* BfR - DM - FDA - EC	I8
	EPDM	textile	EPDM	10	3	yes	* BfR - DM - FDA - EC	I9
	NR/SBR	textile	NR/SBR	10	3	yes	* BfR - DM - FDA - EC	I10
	PVC	textile	PVC	20	3		EC 90/128 CLASS A-B-C	I11
	PVC	steel wire	PVC	12	3	yes	EC 90/128 CLASS A-B-C	I12
	PVC	PVC wire		10	3	yes	EC 1935:2004 CLASS A-B-C	I13
	PU	textile	PU	20	2		WRAS - DWI - NSF 61	I14

* BfR Class2 - DM 21/03/73 - FDA title21 - EC 1935/2004

** EN 12115 - FDA title21 - DM 21/03/73 - DM 220 26/04/93

Product	Compound	Concentration	Temperature
Hot Water	All	0	Up to 95 °C
Steam	All	0	Up to 110 °C
Caustic Soda	All	2 % max 5 % max	85 °C max 25 °C max
Nitric Acid	NR/SBR	0.1 % max 2 % max	85 °C max 25 °C max
Chlorine Acetic acid	NR/SBR	1 % max	25 °C max
Per acetic acid	NR/SBR	1.5 % max	25 °C max
Phosphoric acid	NR/SBR	2 % max	65 °C max



DRINKPRESS 164

Recommended for delivery of all foodstuffs containing animal or vegetable fats and oils as well as beverages and liqueurs. Ideal for cleaning dairies, slaughter houses, food processing plants with hot water and steam.

Hose Construction

- Tube:** White, smooth NBR rubber compound, non-toxic, odorless and taste-free.
Resistant to steam and hot water
- Reinforcement:** Synthetic textile yarns
- Cover:** Blue, smooth NBR/PVC rubber compound. Oils, grease, abrasion and weather-resistant. Pin-pricked cover to prevent blisters during use.



- According to FDA, DM 21/03/73
- Versatility of use for a logistic benefit
- Burst Pressure Value 3:1 for water
- Burst Pressure Value 10:1 for steam

Tolerances

According to UNI EN ISO 1307
Refer to Technical Handbook on page TH34

Temperature Range

-20 °C (+4 °F) to +95 °C (+203 °C) for foodstuffs
up to +164 °C (+327 °F) for hot water & steam only

For foodstuffs

Part Number	I.D. (mm)	O.D. (mm)	Working Pressure			Weight kg/m	min. Bend Radius mm	in Stock
			MPa	psi	bar			
IH30240051/40	10	19	2.0	300.0	20	0.31	80	N
IH30240052/40	13	23	2.0	300.0	20	0.42	105	Y
IH30240053/40	16	26	2.0	300.0	20	0.49	130	N
IH30240054/40	19	31	2.0	300.0	20	0.71	150	Y
IH30240055/40	25	39	1.0	150.0	10	1.05	200	N

For hot water & steam

Part Number	I.D. (mm)	O.D. (mm)	Working Pressure			Weight kg/m	min. Bend Radius mm	in Stock
			MPa	psi	bar			
IH30240051/40	10	19	0.6	87.0	6	0.31	80	N
IH30240052/40	13	23	0.6	87.0	6	0.42	105	Y
IH30240053/40	16	26	0.6	87.0	6	0.49	130	N
IH30240054/40	19	31	0.6	87.0	6	0.71	150	Y
IH30240055/40	25	39	0.3	44.0	3	1.05	200	N



GAMBRINUS UPE SM EN 12115

According to EN 12115

Designed to handle all beverages such milk, mineral water, fruit juices, wine, liqueurs etc..., as well as animal or vegetable fats and oils. It is also suitable for sanitary materials. UHMUPE tube does not leach into and contaminate the product conveyed. Suitable for suction and delivery.

Hose Construction

- Tube:** Smooth, white undercoat, ultra high molecular weight translucent polyethylene (UHMWPE), suitable for foodstuff contact
- Reinforcement:** Synthetic textile fabrics with embedded steel wire helix and copper wire to allow electrical connection between hose and couplings
- Cover:** Blue, abrasion and weather resistant EPDM rubber compound



- According to EN 12115 - FDA title 21 - DM 21/03/73 - DM 220 26/04/93
- Compatibility with all liquid foodstuffs & outstanding performance in one solution
- Burst Pressure Value 4:1
- Vacuum: 0.8 bar max

Tolerances






According to EN 12115

Refer to Technical Handbook on page TH34

Temperature Range

-20 °C (-4 °F) to +100 °C (+212 °F)

sterilization at 130 °C for short periods

Part Number	 I.D. (mm)	 O.D. (mm)	 Working Pressure			 Weight	 min. Bend Radius	in Stock
			MPa	psi	bar			
IH36242301/40	19	31	1.6	232.0	16	0.70	190	N
IH36242302/40	25	37	1.6	232.0	16	0.90	225	Y
IH36242303/40	32	44	1.6	232.0	16	1.20	260	Y
IH36242304/40	38	51	1.6	232.0	16	1.50	335	Y
IH36242305/40	50	66	1.6	232.0	16	2.20	410	Y
IH36242306/40	63.5	79	1.6	232.0	16	2.80	450	N
IH36242307/40	75	91	1.6	232.0	16	3.30	525	N
IH36242309/40	100	116	1.6	232.0	16	4.70	675	N



GAMBRINUS BLUE 10

Designed to handle fatty foods, milk in a variety of transfer and delivery applications, including milk collection.

Hose Construction

Tube: White, smooth NBR rubber compound, non-toxic, odorless and taste-free. Manufactured on stainless steel mandrel for the maximum cleanliness, hygienic standards and a bacteria-free surface.

Reinforcement: Synthetic textile fabrics

Cover: Blue NBR rubber compound, non-marking, abrasion and weather-resistant

Temperature Range





-40 °C (-40 °F) to +80 °C (+176 °F)
sterilization at 110 °C for max 30 min.



- According to FDA, BfR class 2, DM 21/03/73, EC 1935/2004
- Indoors and outdoors
- ADI free
- Burst Pressure Value 3:1

Tolerances

According to RMA steel mandrel
Refer to Technical Handbook on page TH34

Part Number			 Working Pressure			 Weight	 min. Bend Radius	in Stock
	I.D. (mm)	O.D. (mm)	MPa	psi	bar	kg/m	mm	
IH36242431/40	19	29	1.0	150.0	10	0.67	120	Y
IH36242432/40	25	35	1.0	150.0	10	0.80	150	Y
IH36242433/40	30	42	1.0	150.0	10	1.11	180	N
IH36242434/40	32	44	1.0	150.0	10	1.23	190	Y
IH36242435/40	38	50	1.0	150.0	10	1.38	240	Y
IH36242436/40	40	52	1.0	150.0	10	1.41	250	N
IH36242437/40	45	57	1.0	150.0	10	1.62	310	N
IH36242438/40	51	64	1.0	150.0	10	1.88	350	Y
IH36242439/40	60	73	1.0	150.0	10	2.24	410	N
IH36242440/40	63.5	77	1.0	150.0	10	2.60	450	N
IH36242441/40	70	83	1.0	150.0	10	2.86	550	N
IH36242442/40	76	89	1.0	150.0	10	3.00	600	N
IH36242443/40	80	93	1.0	150.0	10	3.17	630	N
IH36242444/20	102	116	1.0	150.0	10	4.60	750	N



GAMBRINUS BLUE 10 SM

Designed to handle fatty foods, milk in a variety of suction and delivery applications indoors and outdoors, including milk collection.

Hose Construction

Tube: White, smooth NBR rubber compound, non-toxic, odorless and taste-free.
Manufactured on stainless steel mandrel for the maximum cleanliness, hygienic standards and a bacteria-free surface

Reinforcement: Synthetic textile fabrics and embedded steel wire helix

Cover: Blue NBR rubber compound, non-marking, abrasion and weather-resistant.








- According to FDA, BfR class 2, DM 21/03/73, EC 1935/2004
- Excellent flexibility, kink resistance, easy handling
- ADI free
- Burst Pressure Value 3:1
- Vacuum: 0.9 bar

Tolerances

According to RMA steel mandrel
Refer to Technical Handbook on page TH34

Temperature Range

-40 °C (-40 °F) to +80 °C (+176 °F)
sterilization at 110 °C for max 30 min.

Part Number	 I.D. (mm)	 O.D. (mm)	 Working Pressure			 Weight kg/m	 min. Bend Radius mm	in Stock
			MPa	psi	bar			
IH36242401/40	19	29	1.0	150.0	10	0.67	38	Y
IH36242402/40	25	35	1.0	150.0	10	0.80	50	Y
IH36242403/40	30	42	1.0	150.0	10	1.11	60	N
IH36242404/40	32	44	1.0	150.0	10	1.23	64	Y
IH36242405/40	38	50	1.0	150.0	10	1.38	76	Y
IH36242406/40	40	52	1.0	150.0	10	1.41	80	Y
IH36242407/40	45	57	1.0	150.0	10	1.62	90	N
IH36242408/40	51	64	1.0	150.0	10	1.88	102	Y
IH36242409/40	60	73	1.0	150.0	10	2.24	150	N
IH36242410/40	63.5	77	1.0	150.0	10	2.60	160	Y
IH36242411/40	65	79	1.0	150.0	10	2.66	170	N
IH36242412/40	70	83	1.0	150.0	10	2.86	180	N
IH36242413/40	76	89	1.0	150.0	10	3.00	190	Y
IH36242414/40	80	93	1.0	150.0	10	3.17	250	N
IH36242415/20	102	116	1.0	150.0	10	4.60	380	Y



GAMBRINUS RED 10

Recommended for wine, beer, liqueurs, fruit juice and soft drinks in process, package and transfer phase. Ideal either fixed and mobile installation. Not suitable for fatty food.

Hose Construction

Tube: White, smooth EPDM rubber compound, non-toxic, odorless and taste-free.
Manufactured on stainless steel mandrel for the maximum cleanliness and hygienic standards

Reinforcement: Synthetic textile fabrics

Cover: Red EPDM rubber compound, non-marking, abrasion and weather-resistant







- According to FDA, BfR class 2, DM 21/03/73, EC 1935/2004
- Up to 96 % alcoholic content
- ADI free
- Crimped Stainless Steel Fittings available
- Burst Pressure Value 3:1

Tolerances

According to RMA steel mandrel
Refer to Technical Handbook on page TH34

Temperature Range

-40 °C (-40 °F) to +120 °C (+248 °F)
sterilization at 110 °C for max 30 min.

Part Number	 I.D. (mm)	 O.D. (mm)	Working Pressure			 Weight kg/m	 min. Bend Radius mm	in Stock
			MPa	psi	bar			
IH36242531/40	19	29	1.0	150.0	10	0.45	95	N
IH36242532/40	25	35	1.0	150.0	10	0.59	140	N
IH36242533/40	30	41	1.0	150.0	10	0.80	160	N
IH36242534/40	32	43	1.0	150.0	10	0.90	170	N
IH36242535/40	38	51	1.0	150.0	10	1.20	200	N
IH36242536/40	40	54	1.0	150.0	10	1.40	220	N
IH36242537/40	51	65	1.0	150.0	10	1.90	250	N
IH36242538/40	60	76	1.0	150.0	10	2.50	320	N
IH36242539/40	63.5	81	1.0	150.0	10	2.60	340	N



GAMBRINUS RED 10 SM

Recommended for wine, beer, liqueurs, fruit juice and soft drinks in process, package and transfer phase. Ideal either fixed and mobile installation. Not suitable for fatty food. Designed for suction and delivery.

Hose Construction

- Tube:** White, smooth EPDM rubber compound, non-toxic, odorless and taste-free.
Manufactured on stainless steel mandrel for the maximum cleanliness and hygienic standards
- Reinforcement:** Synthetic textile fabrics and embedded steel wire helix
- Cover:** Red EPDM rubber compound, non-marking, abrasion and weather-resistant



- According to FDA, BfR class 2, DM 21/03/73, EC 1935/2004
- Up to 96 % alcoholic content
- Excellent flexibility, kink resistance, easy handling
- ADI free
- Crimped Stainless Steel Fittings available
- Burst Pressure Value 3:1
- Vacuum: 0.9 bar

Tolerances

According to RMA steel mandrel
Refer to Technical Handbook on page TH34

Temperature Range

-40 °C (-40 °F) to +120 °C (+248 °F)
sterilization at 110 °C for max 30 min.

Part Number	I.D. (mm)	O.D. (mm)	Working Pressure			Weight kg/m	min. Bend Radius mm	in Stock
			MPa	psi	bar			
IH36242501/40	19	29	1.0	150.0	10	0.67	80	N
IH36242502/40	25	35	1.0	150.0	10	0.80	125	N
IH36242503/40	30	42	1.0	150.0	10	1.11	150	N
IH36242504/40	32	44	1.0	150.0	10	1.23	160	N
IH36242505/40	38	50	1.0	150.0	10	1.38	190	Y
IH36242506/40	40	52	1.0	150.0	10	1.41	200	N
IH36242507/40	45	57	1.0	150.0	10	1.62	225	N
IH36242508/40	51	64	1.0	150.0	10	1.88	255	Y
IH36242509/40	60	73	1.0	150.0	10	2.24	300	N
IH36242510/40	63.5	77	1.0	150.0	10	2.60	320	Y
IH36242511/40	76	89	1.0	150.0	10	3.00	390	Y
IH36242512/40	80	93	1.0	150.0	10	3.17	440	N
IH36242513/20	102	116	1.0	150.0	10	4.60	560	N



GAMBRINUS BLACK SM 10

For abrasive dry food such as flour, sugar, grains, granules, pellets and animal food. Suitable for suction and delivery.

Hose Construction

Tube: White NR/SBR, non-toxic. Manufactured on polished stainless steel mandrel for an ultra-smooth, bacteria free tube that does not impart taste or odor and it is resistant to abrasion

Reinforcement: Synthetic textile fabrics, embedded steel wire helix to provide suction capability and kink resistance

Cover: Black NR/SBR rubber compound, antistatic ($R < 10^6 \Omega/m$) resistant to abrasion and weather-resistant



- According to FDA, BfR class 2, DM 21/03/73, EC 1935/2004
- In-plant and tank transfer, delivery and transport
- Burst Pressure Value 3:1
- Vacuum: 0.9 bar






Tolerances

According to RMA steel mandrel
Refer to Technical Handbook on page TH34

Temperature Range

-40 °C to +80 °C

sterilization at 110 °C for max 30 min.

Part Number				Working Pressure					in Stock
	I.D. (mm)	O.D. (mm)		MPa	psi	bar			
IH36242203/40	51	65	1.0	150.0	10	1.92	300	Y	
IH36242204/40	60	75	1.0	150.0	10	2.30	360	N	
IH36242205/40	63.5	79	1.0	150.0	10	2.43	380	N	
IH36242206/40	70	86	1.0	150.0	10	2.80	420	Y	
IH36242207/40	76	92	1.0	150.0	10	3.25	450	N	
IH36242208/40	80	96	1.0	150.0	10	3.45	480	N	
IH36242209/20	102	118	1.0	150.0	10	4.80	610	N	



VINITRESS

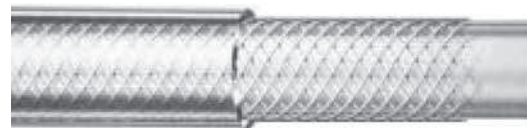
For delivery of foodstuff in general industrial purposes and for agriculture applications.

Hose Construction

Flexible, transparent PVC hose having a textile reinforcement between the walls.

Temperature Range






-20 °C (-4 °F) to +100 °C (+212 °F)
sterilization at 130 °C for short periods



- According to European Directive EC 90/128 Class A, B and C
- Low duty mission profile
- Transparent structure to visually monitor the passage of media

Tolerances

Refer to Technical Handbook on page TH34

Part Number	 I.D. (mm)	 O.D. (mm)	 Working Pressure			 Weight kg/m	 min. Bend Radius mm	in Stock
			MPa	psi	bar			
IH35033229/100	6	12	2.0	300.0	20	0.10	40	Y
IH35033230/100	8	14	2.0	300.0	20	0.13	50	Y
IH35033223/50	9	15	2.0	300.0	20	0.14	50	Y
IH35033231/100	10	16	2.0	300.0	20	0.15	60	Y
IH35033220/50	13	19	1.2	174.0	12	0.18	80	Y
IH35033222/50	15	21	1.2	174.0	12	0.21	90	Y
IH35033221/50	19	26	1.0	150.0	10	0.30	110	Y
IH35033245/50	25	33	0.8	116.0	8	0.44	150	Y
IH35033241/25	32	42	0.7	101.5	7	0.71	190	N
IH35033246/25	38	48	0.6	87.0	6	0.82	230	N
IH35033240/25	40	50	0.6	87.0	6	0.86	240	N
IH35033242/25	50	64	0.5	72.5	5	1.53	300	N



APERSPIR

Suitable for suction and delivery of foodstuff in general industrial purposes and for agriculture applications.

Hose Construction

Flexible and light hose having an harmonic steel wire helix embedded in a transparent PVC wall.

Temperature Range






-10 °C (+14 °F) to +60 °C (+140 °F)



- According to European Directive EC 90/128 Class A, B and C
- Medium and heavy duty mission profile
- Vacuum: 0.8 bar

Tolerances

Refer to Technical Handbook on page TH34

Part Number				Working Pressure					in Stock
	I.D. (mm)	Wall (mm)		MPa	psi	bar			
IH35641010/30	10	3.1	1.2	174.0	12	0.18	23	N	
IH35641012/30	12	3.1	1.5	217.5	15	0.19	20	Y	
IH35641016/50	16	3.1	1.5	217.5	15	0.26	30	Y	
IH35641019/50	19	3.5	1.2	174.0	12	0.33	40	Y	
IH35641020/50	20	3.5	1.2	174.0	12	0.34	40	Y	
IH35641025/50	25	4.2	1.1	159.5	11	0.52	50	Y	
IH35641030/50	30	4.2	1.0	150.0	10	0.63	60	Y	
IH35641032/50	32	4.5	0.95	137.75	9.5	0.66	60	Y	
IH35641038/50	38	4.5	0.8	116.0	8	0.80	80	Y	
IH35641040/50	40	5	0.8	116.0	8	0.95	80	Y	
IH35641045/50	45	5	0.75	108.75	7.5	1.15	90	Y	
IH35641050/50	50	5.4	0.7	101.5	7	1.30	100	Y	
IH35641060/50	60	6.1	0.6	87.0	6	1.75	120	Y	
IH35641075/50	75	7	0.45	65.25	4.5	2.30	150	Y	
IH35641100/30	100	8	0.3	43.5	3	3.65	200	Y	
IH35641120/30	120	8	0.2	29.0	2	4.30	240	N	
IH35641125/30	125	8.3	0.2	29.0	2	4.60	250	N	
IH35641150/20	150	9.5	0.2	29.0	2	6.50	300	N	

APERSPIR I.D. mm.  FOOD QUALITY - MADE IN ITALY - PARKER



ENOREX

Suction and delivery of wine and liquid foodstuffs in cellars, stores and docks for loading and unloading tankers and storage tankers.

Hose Construction

Flexible and light hose having a red, rigid PVC spiral embedded in transparent PVC wall, manufactured with materials according to 2007/19/EC European Standard for foods, and 2002/95/EC European standard RoHS.

Temperature Range






-25 °C (-13 °F) to +60 °C (+140 °F)



- According to EC 1935/2004 Class A, B and C
- Heavy duty mission profile
- Vacuum: 0.9 bar
- Burst Pressure Value 3:1

Tolerances

Refer to Technical Handbook on page TH34

Part Number	 I.D. (mm)	 O.D. (mm)	 Working Pressure			 Weight kg/m	 min. Bend Radius mm	in Stock
			MPa	psi	bar			
IH35620025/50	25	34	1.0	150.0	10	0.55	125	N
IH35620030/50	30	40	1.0	150.0	10	0.65	150	N
IH35620040/50	40	50	0.9	130.5	9	0.85	200	Y
IH35620050/50	50	62	0.8	116.0	8	1.20	250	Y
IH35620060/50	60	72	0.75	108.8	7.5	1.60	360	Y
IH35620080/50	80	94	0.65	94.25	6.5	2.20	520	Y
IH35620100/25	100	116	0.5	72.5	5	3.36	650	N
IH35620120/25	120	138	0.3	43.5	3	4.20	780	N

ENOREX I.D. mm.  FOOD QUALITY - MADE IN ITALY - PARKER



TE POTABLE WATER PU HOSE

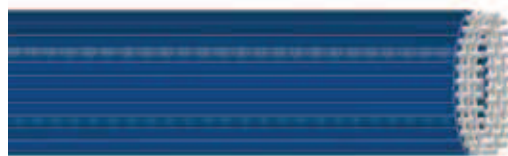
Used in mobile applications to transfer large volumes of drinking water from tank trucks to major public events or work sites, as well as emergency water supply lines to bypass water mains where service has been curtailed due to construction.

Hose Construction

Polyurethane extruded through one woven polyester ply of reinforcement.

Temperature Range

-40 °C (-40 °F) to +80 °C (+176 °F)



- Has been fully tested to prove compatibility with potable water, including taste and odour
- Much easier to couple, install and remove than polyethylene pipe
- High performing polymer preserve from fluid contamination.
- In compliance with Drinking Water Inspectorate (DWI), Polish National Institute of Public Health, Water Regulations Advisory Scheme (WRAS) and USA NSF 61
- Burst Pressure Value 2:1

Part Number	Nominal Diameter		Wall (mm)	Working Pressure			Weight kg/m	min. Bend Radius mm	in Stock
	(mm)	(inch)		MPa	psi	bar			
TE15X200MBPW	32	1½	2.15	3.1	450.0	31	0.331	–	N
TE20X200MBPW	51	2	2.30	3.1	450.0	31	0.408	–	N
TE25X200MBPW	63.5	2½	2.30	3.1	450.0	31	0.580	–	N
TE40X200MBPW	102	4	3.30	1.8	270.0	18	1.137	–	N
TE60X200MBPW	152	6	3.05	2.0	300.0	20	1.717	–	N